he Mining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 859---Vol. XXII.

LONDON, SATURDAY, FEBRUARY 7, 1852.

PRICE 6D.

VALUABLE MINES TO BE DISPOSED OF.—TO BE SOLD, on the 20th February, 1852, at Cork, the remaining portion of the FEE-SIMPLE ESTATES of R. H. H. Becher, Esq., containing VALUABLE COPPER MINES, and presenting, from their possessing sea frontage, a most favourable opportunity for conducting the deep sea fisheries. Several valuable LODES OF COPPER have been laid open on these Estates, and ore of great richness has been obtained.

These MinES are most favourably situated, being close to excellent harbours, and having abundant water-power. These Estates and Royalties are well worthy the attention of Capitalities.

tion of Capitalists.
Full particulars and rentals, together with the reports of the mining engineers, reobtained of Messra, Fladgate, Young, and Jacksons, solicitors, 13, Essex-street, Stra London; or Messrs. Footts and Fitzsimons, 100, Abbey-street, Dublin; and at Cork.

VERY IMPORTANT TO ENGINEERS, MACHINE MAKERS, MILLWRIGHTS, CONTRACTORS, MINERS, SMITHS, BROKERS, AND OTHERS.

VERY IMPORTANT TO ENGINEERS, MACHINE MAKERS, MILLWRIGHTS, CONTRACTORS, MINERS, SMITHS, BROKERS, AND OTHERS.

M. W. KIRK most respectfully announces that he is honoured with instructions from Messrs. Jones and Potts, engineers, and proprietors of the axiensive Works, known as the VIADUCT FOUNDRY, NEWTON, near WARRINGTON, who are declining business, to SELL by AUCTION, commencing on Monday, March 1, 1852, and continuing on each succeeding day of business (Saturdays excepted) until the WHOLE IS DISPOSED OF, the whole of their truly-valuable PLANT, STEAM-ENGIMES, TOOLS, MACHINERY, UTENSILS, and EFFECTS, consisting of one new six wheeled locomotive engine, with 154-linch cylinder, 20-inch stroke, and e-feet csinether devices on each wheel, and rank containing 1230 gallons of water. One six-lores high-pressure alabe engine and bolier, by Jones and Potta. One rivetting machine, to cut its own rivets and make the same; will rivet a boller 30 feet long, with driving apparatus. Four logs, with boarded sides, and rool-traversing carriage claims; blocks, &c., for the above. One machine for straightening and bonding boller plates. Relia, 5 sea 6 inches long, 12 inches diamster, with driving apparatus, by Gamet and Moores. Thirty-six lathes of the most valuable and varied descriptions, including side-lathe, back geared, compound side, double wheel, hand and foot lathes, &c., by Whitworth, Collier, and others. Seventeen planing machines, of various sizes and descriptions, self-acting and otherwise, by Collier and others. Mine upright drilling machines, to fix against a wall or beam, sance and store and store and the properties of the same and the same and

MR. W. KIRK has the honour to announce that he will SELL, the owners, atout the middle of March, 1852, on the premises of the works of the VIADUCT FOUNDRY. NEWTON, near WARRINGTON, subject to conditions as shall be produced, and in two lots—viz.

the owners, about the middle of March, 1852, on the premises of the works of the VIA-DUCT FOUNDEY. NEWTON, near WARRINGTON, subject to coaditions as shall be produced, and in two lots—vis.:

LOT 1.—All that valuable PLOT OF LAND, which is inclosed within the walls forming the spaceous yard whereon the said works are erected, including all the substantially-built brick buildings constituting the various and extensive workshops, foundry, warehouses, counting-houses, offices, &c., the whole covering an area or plot of land of 3a 3a. 17s. statute measure, and subject to a chief rent of £61 5s. 3d, per annum; with which it is determined to sell the following valuable items constituting fixtures—vis., all those two stationary engines of 20-horse power each, with bollers complete; the whole of the powerful specing, and and in shafting, for working the mechinery; fan, for blowing the smiths first, 45 amitis hearths, with tuc-irons, troughs, and blast-pipes, large hooping turnace, three cuplosa, three powerful smak grindstones, 32, 44, and 34 inches diameter respectively, together with the gas-works, fittings, &c., counting-houses, offices, store-room, and all the fixtures therein, dining room, stables, and proquent of the London and Korth-Western Railway.

LOF 11.—All those SEVENTY-SEVEN newly-built COTTAGES, immediately adjoining the above works, and occupying a plot or parcel of land, la. 3s. 7r. statute measure, and producing a variy rental of £530, and subject to a chief rent of £30 per ann. The whole is held upon three leases for 599 years, each bearing date respectively. March Shik, 1839, January 27th, 1847, and December 26th, 1849.

This large and important estate forms, as a whole, one of the most valuable properties in the acounty; and while it is admirably adapted and arranged for its present purposes, would easily be converted into cotton works, or any other manufacturing business requiring extensive accommodation. It is admirably adapted and arranged for its present purposes, would easily be converted into

, the Liverpool and manacester oranes of the London and Avers Western Maniway o property may be viewed at any time prior to, and on the day of sale; and any fur information in the interim may be had on application at the offices of the auctioneer fincess street, Manchester; or at the works, where plans of the whole may be seen

FOR SALE, EXTENSIVE AND VALUABLE WORKS. upwards of SIXTY THOUSAND TONS CALCINED IRON, and FIELD OF IRONSTONE, lately discovered.

UPSET PRICE REDUCED.

TO BE SOLD, BY PUBLIC ROUP, within the Royal Exchange Sale Rooms, GLASGOW, on Wednesday, the 3d day of March next, at One feek in the afternoon (if not proviously disposed of by private bargain), the BLAIR IRON-WORKS, at One at Carlot and Car

suated at DALRY, AYRSHIRE, consisting of FIVE BLAST-FURNACES, FOUNDR: AMAGER and WORKMEN'S HOUSES, PITS, MACHINERY, and MALLEABLE, MON-WORKS, so far as erected, together with the MINERAL LEASES, and large OCK of HONSPONE, all as formerly advertised. Apply for further information to Sir. Brown, No. 35, St. Vincent's-place, Glasgow. Glasgow. January 21, 1852.

TO CAPITALISTS.

WHEAL INDUSTRY TIN MINE, LYDFORD, DEVON.

—TWO THIRDS of this valuable TIN MINE, situate near PRINCE TOWN,
DARTMOOR, TO BE SOLD, BY PRIVATE CONTRACT, which will pay the purchaser

25 per cent. per annum. This is no speculation, as there are 24 lodes already dis
zered, and wrongist on in the selt, which is most extensive, being upwards of 14 mile

a length, and 14 mile wide, containing a remarkable tract of rich tin ground. The sett

a held for the remainder of a term of 21 years, commencing from the 20th July, 1851,

tens. The push of Cornwall. The dues 1-18th.

a seight, and 12 mile wide, containing a remarkable tract of rich tin ground. The actt is held for the remainider of a term of 21 years, commencing from the 20th July, 1851, rom the Duchy of Cornwall. The dues 1-18th.

N.B.—The two original proprietors have divided upwards of £500 worth of tin from time. The purchaser can have the custody of the deeds, on his entering into the same coverant to produce the same.

To treat for the same, apply to Mr. H. Bickford, Prince Town, Devon.—Jan. 27, 1852.

EAD MINES TO LET-the FRON FOWNOG MINES,

MINES TO LET—the FRON FOWNOG MINI

I is the parish of MOLD, in the county of FLINT.—These mines were, for a re
of years, the most productive in this extensive and rich mining district, and yie
represents in the despeat part of the mines (which is only about 75 fathoms is
prospects in the despeat part of the mines (which is only about 75 fathoms is
prospected to treat liberally with any respectable party for the future working
the property of the mines of the Mold Station of the Chester
lines of the Mold Station of the Mold Station of the Chester
lines of the Mold Station of the

WHEAL SOPHIA, LEZANT, CORNWALL—NOTICE.

All PERSONS having any CLAIM on the adventurers of the above MINE

of GODB DELIVERED before the 28th of December, 1851, are requested to FOR
WARD their ACCOUNTS to ME, on or before the 16th February, 1855, in order that the

same may be discharged prior to my resigning the office of purser: and all belis not for
arteed to me before the above-mentioned day will not be attended to. All goods sup
plied since the said 25th of December, 1851, are to 20 charged to the "Committee,"

Winnsher's Arms, Belgrave-square, Loudon.

Uppaton, Milten Abbot, near Tayleteck, Feb. 4, 1852.

MR. JAMES CROFTS, of 4, KING-STREET, CHEAPSIDE, MINING BROKER, OFFERS his SERVICES for the PURCHASE or SALE of MINING SHARES of every description—Baittism and Foreign—and not being a dealer, transacts business only for principals.

Hitherto Mr. Croots has leaved a Weekly List of Shares for Sale, but in consequence of his business having become of a more comprehensive character, the "List" will be discontinued. Mr. J. Croots has also made arrangements with an eminent firm on the Stock Exchange to BUY or SELL in such MINES as are there dealt in, and including all the Gold Mixes, without any addition to the commission charged by Stock Exchange brokers.

Office hours Ten to Five: Mining Exchange (Hall of Commerce), Twelve to Two.

** Mr. Croots may be cunsolted on all matters connected with existing or projected mines, either personally or by letter.—February 6, 1852.

MR. HOPKINS begs to acquaint his Clients and the Mining Pablic, that his MINING RECORD OFFICE will be CLOSED until his BY

MR. EVAN HOPKINS is now in CORNWALL.

MR. JOHN DAVIES, MINING SHAREBROKER,

MR. BELL WILLIAMS, MINE AGENT AND VIEWER

MR. JOSEPH J. REYNOLDS, SWORN BROKER,

MR. JOSEPH J. REYNOLDS, SWORN BROKER, BUSINESS transacted in GOVERNMENT STOCKS, RAILWAY and MINING SHARES, &c.—Having been connected with the management of mines in the most productive districts of Cornwall upwards of 20 years, and being in daily communication with the most respectable mining agents in various parts of the kingdom, Mr. REYNOLDS is enabled to furnish such information to capitalists as may be relied on.

Mr. J. J. REYNOLDS has SHARES FOR SALE in the following MINES:—

11. August

12. Treibery

13. Treibery

Treihevy Treville Trenault Quarr Unity Consols West Alfred West Basset West Phoenix Wheal Gill Allt-y-Crib

Levant
Molland Milli pool
Mendip Hills
North Levant
North Basset
Bocks and Treverbyn
Pendarves and St. Aubyn
Pendarves Consols
Silver Valley
Sydney Godolphin Bodmin Cons Black Craig Bargally Carvannali Condurrow Caradon Vale Carn Brea Cook's Kitchen

Shares in Anglo-Californian, Bartish Australian, Golden Mountain, I links Bought and Sold, and information given respecting them. Country orders punctually attended to.—Feb. 6, 1852.

MESSRS. FRANCIS & LIGHTOLLER, MINING AGENTS

MESSRS. FRANCIS & LIGHTOLLER, MINING AGENTS AND CIVIL ENGINEERS.

OPPICE,—No. 34, EXCHANGE ARCADE, MANCHESTER.

Messrs. FRANCIS AND LIGHTOLLER, may be CONSULTED by MINING COMPANIES OF OTHER PARTIES requiring INSPECTIONS and REPORTS on MINES of every description, or by CAPITALISTS and OTHERS desirous of INVESTING their CAPITAL in MINES or other MINERAL PROPERTIES.

Statistics and other general information connected with Mines and the Mineral Districts given or obtained with the utmost dispatch.

Capt. Absalom Francis having had upwards of 30 years' experience in the practical management of mines, and reported or most of the principal ones in the United Kingdom, applicants may rest assured they will receive full and satisfactory information on matters connected with mining.

Arbitrators, and contractors for the erection of engines and every description of mining machinery.

MESSRS, FRANCIS & CO., in order to avoid the complicated

ESSRS. FRANCIS & CO., in order to avoid the complicated and indefinite system of Calls for working or proving mines, consider that a better and more satisfactory one will be found in offering the public those chiefly in which the machinery and underground work required to bring them into a state of profit has been completed and paid for.

In mines thus far advanced, it will be obvious that as there will be no risk, so there can be no necessity for calls—the speculative part of the adventure having been gone through; and in this way capitalists will be enabled to invest with the certainty of immediate returns.

Mr. MATTHEW FRANCIS takes leave to announce, that he has several THOUSANDS of POUNDS WORTH of SHARES to DISPOSE OF, which, at the selling price, give a profit of from £20 to £40 per cent.

**Coffices, No. 7, John-street, Adelphi, London.

ENERAL MINING AND MINE REPORTING OFFICES,

1. CROWN-COURT; THERADNEEDLE-STREET, CITY./

Messrs. M. FRANCIS & CO., MINING BROKERS, appreciating the desiderating of PROVIDING the most AUTHENTIC INFORMATION respecting BRITISH & FOREIGN MINES for those w to desire to INVEST SAFELY, have OPENED this OFFICE for the REGISTRATION AND CLASSIFICATION OF THE DIVIDEND-PROMISING AND WORKING MINES.

Their REGISTER will be found a VALUABLE INDICATOR, as, from more than twenty years' experience in the successful selection and management of mines, they can confidently advise, so as to insure the most certain and remunerative returns.

**Shares Purchased and Sold—Mines Inspected, &c.

JAMES S. TRIPP AND CO., MINING AGENTS,
LOMBARD-STREET CHAMBERS, CLEMENT'S-LANE, LOMBARD-STREET
ESTABLISHED 1824
. Every information afforded, and business transacted upon the most liberal terms.

MINING RECORD OFFICE, 26, Austineriars, London. INTING RECORD OF FIGE, 20, AUSTINFRIARS, LONDON.—

M. MANUEL'S OFFICES are expressly for the USE of COMMITTEES and COMPANIES conducting their BUSINESS in LONDON, and is entirely free from share-dealing. Mr. MANUEL will be happy to CONDUCT the LONDON AGENCY of any MIKES now at work, or about to be worked, he having spacious and convenient OFFICES for that PURPOSE.—Terms on which the business is conducted to be had on application, either by letter or in person.

by locaer or in person.

teen years' experience will enable Mr. Manuel to give suitable advice on all offst.

—Offices of the West Wheal Rose, West Callington, Busparvo, Galit-y-Maen, Great
Is Consols, &c.

MINING INVESTMENT.-T. FULLER and CO., No. 51 THERADNEEDLE-STREET, LONDON, bog respectfully to inform the public that they are in a position to BUY and SELL in all DESCRIPTIONS of MINING PROPERTY, which will pay from 15 to 25 per cent, upon present purchase, and have specially FOR SALE-Beddord United, Devon Great Consols, Whieal Mary Ann, Traleway, West Caradon, Wheal Reeth, South Caradon, Tincroft, Trehane, Butterdon, Boringdon Park, Wheal Venton, Wheal Franco, Treleigh Consols, Trelyon Consols, Castle Dinas, Wheal Edward, Wheal Zion, and Wheal Surprise.—Also SHARES in the GOLD MINES of Australia and California.

Every information given, either personally or but letters.

Every inform

ESSRS. MOLYNEUX AND CO., 34, THREADNEEDLETAKEN spacious OfFices, No. 10, BUCKINGHAM-STREET, ADELPHI, STRAND,
for the SALE and PURCHASE of MINES and MINING SHARES, and the MANAGEMINING COMPANIES, and have constantly ON SALE SHARES in most of
the DIVIDEND-PAYING and other PROSPEROUS MINES, which will insure to capiclaiks the safest and most unexceptionable investment.—Daily communication received
from their agents in Cornwall, Devon, and Wales, and every information and advice
given on all mining matters.—N.B. Office hours from Ten to Four o'clock.

Offices,—10, Buckingham-street, Adelphi, Strand, and 34, Threadneedle-street, City.

MESSAS: TREDINNICK AND CO., MINING, BANKING, INSURANCE, and GENERAL AGENTS, continue to NEGOCIATE every description of BUSINESS connected with the ABOVE SECURITIES. They have always ON SALE SHARES in DIVIDEND MINES in Coriwall, Devon, and Wales, at pricas yielding purchasers from 16 to 25 per cent. per annum upon market value.—Statistical and other information gratuitously upon application, and money advanced in anticipation of sales.—Agency Offices: No. 6, HAYMARKET, PALL-MALL, and 3, GEORGE. TARD, LOMBARD-STREET, LOMDON.

. Correspondence to be addressed to the Western Branch.

REGORY'S HOTEL, 29, CHEAPSIDE, LONDON.Bed, Is. 6d.; Breakfast, Is. 6d.; Servants, 9d. per day. Omnibuses to and fro
all the Railway Stations set down at the door.—Gentlement connected with the MININ
INTEREST are particularly invited to patronise this Hotel.
WELLINGTON GREGORY, Proprietor.

M. R. T. P. THOMAS, MINE AGENT, 75, OLD BROAD-STREET.—Established nine years.—Mr. T. P. THOMAS begs to inform capi-talists and the public that he is at all times in a position to BUY or SELL, at closs market prices, in dividend and respectably established BRITISH and FOREIGN MINES; and having a local knowledge of the principal Cornish and Welsh Mines, from periodical per-sonal inspection, &c., will be happy to farmish information by pest or otherwise. N.B.—Mines inspected and reports furnished.

MINING PROPERTY.—Mr. HERRON has SHARES in the best DIVIDEND-PAYING MINES FOR SALE, and which will give the purchaser 15 to 20 per cent. for the outlay. Amongst others are the following:

Alfred Consols

Alfred Consols

Treviskey and Barrier
East Wheal Bose
West Caradon
West Caradon
South Frances
Swith Basset
Wheal Recth
Wheal Recth
Wheal Recth Treviskey and Barrier East Wheal Rose West Caradon Seath Basset and has also FOR SALE SHARES in MINES having a PROMISING APPEARANCE, and affording greater range for speculation, such as—

OSH, WILSON, AND BELL, NEWCASTLE-ON-TYNE MANUFACTURERS of BAR-IRON, RAILWAY BARS, FORGE and ENGINE WORK, CAST-IRON GOODS, and STEWART? PATENT CAST-IRON GAS and WATER-PIPES. OFFICE, -7, SISE-LANE, LONDON.

GOLDENHILL COBALT, NICKEL, CHEMICAL WORKS, NEAR NEWCASTLE, STAFFORDSHIRE.

JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER.

** A QUANTITY OF BISMUTH TO DISPOSE OF.

MR. ALFRED SENIOR MERRY, DEALER in COBALT AND NICKEL ORES, AND ASSAYER IN GENERAL.—Address:

MR. THOMAS JORDAN, METAL BROKER,
No. 75, OLD BROAD-STREET, CITY, exclusive AGENT for one of the BEST
MAKERS of HAMMERED IRON, for MARINE, LOCOMOTIVE, and other ENGINES.
Also AGENT for the SALE of SOUTH STAFFORDSHIRE and WELSH BAR, BOLT
and BOILER PLATE IRON, in all its varieties. The Proprietors of Lead and Copper
Mines in Devon, Cornwall, Wales, &c., will find great advantage in the quality and chapness of the Iron they require, by seeking quotations through the Advertiser.

CARD .- STEPHEN COX, MANUFACTURER or OIL OF VITRIOL, SULPHURIC ACID, ROMAN VITRIOL, &c.
NETHAN CHEMICAL WORKS, ST GEORGES, NEAR BRISTOL.
All Goods delivered in Bristol.—Prices and terms on application.

ENCUMBERED ESTATES, IRELAND MR. AUSTIN, A.B.I., MINING ENGINEER, begs to acquaint his Friends and Gentlemen interested in, or about to purchase, Estates Acquaint his Friends and Gentlemen interested in, or about to purchase, Estates in Ireland, that he will START on one of his PERIODICAL TOURS of INSPECTION about the last wock in February: his route will embrace the Southern, Western, and Eastern (gold) Mineral Districts. Those desirous of having ESTATES EXAMISED, will please communicate by letter, addressed—No. 11, TRINITY-FREER, BRISTOL.

WEST OF ENGLAND AUSTRALIAN GOLD MINING COMPANY.—In consequence of a meeting of many of the most influential men in Cornwall not being convened in samelent time to bring out the prospectus on the 7th inst., the proprietors are compelled to DEFER IT FOR A FEW DAYS, when it will be laid before the public.

WARWICK A. HUNN, See pro tem., 12

February 6, 1852.

TO CORNISH MINERS.—WANTED, MINERS to proceed to AUSTRALIA in the service of a GOLD MINING COMPANY. Wages, 200. and by the company. r month, commencing on traceing the different company.

Copies of the stamped agreement, with full particulars, price is, either in mone camps, will be forwarded post free by applying to Mr. H. Moreton, Chatham, Kent.

LERK.—A Young Man, whose present engagement as Managing Clerk at a Colliery on the Type has nearly expired, is anxious to meet with a RE-ENGAGEMENT in the OFFICE of a MINING COMPANY. Most unexceptionable references as to character and ability will be given; a slee security, if required Address "W. C.," Post-office, Haltwhistle, Northumberland.

O BE SOLD,—A NEW 36-inch cylinder STEAM-ENGINE, complete, with main beam in two parts, 12-ton boiler, stools, &c., complete, in decondition, and of the best materials and manufacture: now lies at Devenport. Mil particulars may be had from Messrs. Durrant and Co., brokers, No. 58, Lombardset, London.

FOR SALE, CHEAP.—A 6-HORSE HIGH-PRESSURE
STRAM-ENGINE, cylinder 9 inches diameter, 22 inches stroke, fly-wheel 8 feet
Exameter, with naw boiler. Also, FOUR PUMPS, complete, suitable for pumping water
from excavations, cofferdans, &c.
Apply by letter, post-paid, to "A.B.C.," Post-office, Cardiff.

STEAM - ENGINES FOR SALE, of 6, 9, 12, 15, and 20-by se power.—Apply to Burnett Brothers, Spring-gardens Engine Works, New-castle-on-Tyne.

COMPANY.—TO SILVER SMELTERS.—TENDERS WILL BE RECEIVED at the Company's Offices for the PURCHASE of Nine TONS and upwards of SILVER ORE, samples of which may be had on application to Mr. Fry, at the mine, Callington, Cornwall. Noti price, free of returning charges, required.

3, Hatton-court, Tirreachucedie-street, Jan. 30, 1859.

WILLIAM LEE, STO

COMPANY.—At a SPECIAL GENERAL MEETING of the registered shareholders of this Company, held on Friday, the 30th of January, 1839, it was unanimously
Resolved,—That the capital of the Company, now represented by 10,000 shares, of £1
each, be reduced to 6200 shares, of £1 each—being the number now issued.

WILLIAM LEE, Secretary.

FENTON POTTERY COAL AND IRONSTONE MINING GOMPANY.—Notice is hereby givan, that the FIRST HALF TEARLY GENERAL MEETING at the proprietors of this Company will be HELD at the Storey gate Tavern, Great George-street, in the city of Westminster, on Thursday, the 1811 February, at One o'clock precisely, for the purpose of receiving the report and statement of accounts from the directors—of declaring a dividend for the half-year ending list Dec. 1851—to appoint one director, in the room of Mr. John Hamilton, retiring, and for the transaction of the ordinary business of the Company. THOS. WRIGHT, Chairman The register of transfers will be closed until after the meeting.

16, Queen-square, Westminster, Feb. 2, 1852. WM. FALK, Secretary.

KENMARE AND WEST OF IRELAND MINING COMPANY.—Notice is hereby given, that the ORDINARY GENERAL MEET-ING of the above Company will be HOLDEN at the Offices of the Company, No. 62, Moorgate-street, in the city of London, on Thursday, the 12th day of February next, as One o'clock precisely, to receive the Report of the Directors, and the half-year's accounts, to elect a director, in the room of Robert James Roy Campbell, Esq., who retires by rotation, and to consider the general affairs of the Company.

THE OWLACOMBE BEAM AND UNION TIN AND COPPER MINING COMPANY, DEVONSHIRE.—The Committee of Management of these Mines give Notice to the shareholders therein, that a SPECIAL GENERAL MEETING will be HELD on the 17th of February inst., at Twelve o'clock precisely, at the Offices, 75, Cornhill, London, to determine whether the undertaking shall be further prosecuted or abandoned.

ROBERT HUNT, Secretary

TO THE SHAREHOLDERS IN THE WORTHING MINING COMPANY.—An EXTROADDINARY GENERAL MEETING of the share holders of this Company will be held at No. 20, St. Helec's-place, Bishopsgate street, it he city of London, on Wednesday, the 28th day of February, 1839, at Three c'clock in the afternoon precisely, to receive a report from the Directors as to the proceedings of the Company since June last.

(Signed) DAVID HALKET, Chairman, 10, St. Helen's-place, Feb. 5, 1852.

HENRY PEET, Secretary.

STIRLING'S PATENT YELLOW METALS.—Adapted for SHEATHING, BOLT STAVES, BOLT NAHS, DEOK NAILS, as reported on by the late Mr. Owen, Supervisor of Metals to the Admiralty; also for PROPELLERS, FRAMEWORK SCREWS, PISTONS, CVLINDERS, COCKS, Constituinty, where there is exposure to corrosion), RAILWAY CARRIAGE AXLE BEARINGS, and for all machinery subject to friction.

AGENTS.

Applications for licenses and other information to be addressed to the undersigned, ALFRED BARRETT, Bishopsyate Foundry, Bishopsyate Foundry,

Original Correspondence.

SOCIETY FOR PREVENTING HOSS OF LIPE IN COLLIERIES.

Sin,-The proposition of Mr. Goldsworthy Gurney, mentioned in you last Journal, to establish a society for preventing the loss of life in collieries, is well worth the serious consideration of not only those who are engaged in coal mining, but also of the namerous philanthropic persons who, incommon with Mr. Gurney, are actuated by disenterested and earnest desires to better the condition of the miners. The greatest difficulty to be encountered in devising remedies for the existing evils is the absence of exact statistical data; and that which exists pertains principally to the northern district, and is in a great measure inapplicable to other coalfields, in which different systems of working the coal is pursued. The parliamentary and Government reports, doubtless, contain much that is valuable, but are deficient in information of those details which are essential to a full development of the subject, and without a knowledge of which it is impossible to suggest a true practical remedy. It is to be hoped that much of this required information will be given in the promised reports of the Government inspectors of mines; and that these gentlemen will not content themselves by merely giving vague generalities, but give us correct figures for the opinions they may have formed of the states of the mines they have visited. The inspectors will, of course, have recourse to instrumental aid in examining mines; and, therefore, the publication of their observations in a tabular form will be attended with but little trouble and expense—whilst the information thus communicated would have as important and eventual a tendency to diminish the number of accidents as last Journal, to establish a society for preventing the loss of life in colexpense—whilst the information thus communicated would have as important and eventual a tendency to diminish the number of accidents as inspection itself. Presuming that this reasonable anticipation will be realised (and if at be not, it will give rise to a general and great disappointment), a society like that proposed by Mr. Gueney would be of great service, by encouraging the suggestions of remedies, deciding on their theoretical and practical value, and aiding the diffusion of a knowledge of them; but if the society has to undertake the Herculean task of collecting data from all the 12 or 13 coal districts in Great Britain, it will require such large pecuniary means as to render the accomplishment of its object hopeless. It is well known that a society for preventing accidents in coal mines was instituted at Sunderland in the year 1813, which was supported by voluntary subscriptions, and offered premiums for the discovery of new mines was instituted at Sunderland in the year 1813, which was supported by voluntary subscriptions, and offered premiums for the discovery of new and better methods of lighting and ventilating collieries; and yet, notwithstanding the labours of this society were rewarded by the brilliant discoveries of Dr. Clanny, G. Stephenson, and Sir H. Davy, its historian tell us "that this philanthropic society did not receive that zealous support from the coalowners and viewers which the public anticipated;" and that its funds remained at so low an ebb, that it soon dwindled and died away. In 1839, the celebrated South Shields' Committee was instituted, and produced a report of great practical value. Whether it is now in example of the south shields of the publicanthropic exertions of its that its funds remained at so low an ebb, that it soon dwindled and died away. In 1839, the celebrated South Shields' Committee was instituted, and produced a report of great practical value. Whether it is now in existence is a matter of doubt, although the philanthropic exertions of its able secretary (Mr. Mather) are never wanting when the cause of humanity requires his disinterested services to alleviate the evils to which the miner is subject. As far, then, as experience goes, the longevity of the society proposed by Mr. Gurney cannot be anticipated, if its existence is to depend on large funds raised by voluntary subscriptions; and the best security for its permanency will be in a small expenditure, and a corresponding limitation of its operations. Yet the design is so really and intrinsically good, that it is well worth an effort; and the success which it deserves would be essentially promoted by preliminary communications with the Government, so as to ascertain how far the society may rely on the assistance of the inspectors in furnishing the requisite statistical information. In the meantime, it may be observed that this subject has claimed, and continues to receive, great attention from the Institution of Civil Engineers; and that, during the last five years, scarcely a session has passed without a paper being read upon it, eliciting longthened discussions and much valuable information. Papers are received and read which are written by persons unconnected with the institution; and admission to its meetings is easily obtained on application to the members, associates, or secretary; and strangers are welcomed to take part in the discussions. But a society exclusively devoted to the prevention of loss of life in mines would more effectually promote the object contemplated by Mr. Gurney, and best serve not only the interests of humanity, but the prosperity of the "coal trade;" and it is to be hoped that this additional instance of his disinterested exertions to save human lives will be properly appreciated

NEW BRITISH IRON COMPANY.

NEW BRITISH IRON COMPANY.

SIR,—I perceive in your paper of 31: t Jan., an article on the affairs of the New British Iron Company, and in the course of it an erroneous statement is made, which, in justice to all concerned, I feel bound to correct. You say, "we understand their collieries in Staffordshire are in a most deplorable condition." Now this is certainly not true; and so much is it the reverse of the fact, that I can safely say if the prosperity of the company depends on the position and prospects of the principal parts of their collieries in Staffordshire, they have no cause to lear. As you are ever ready to correct such errors as the one now alluded to, I trust you will allow this to appear in your next.

George Thomson, Manager. low this to appear in your next. Corngreaves, Feb. 4. George Thomson, Manager.

THE COST-BOOK.

Congreaves, Feb. 4.

THE COST-BOOK.

Sin,—I suppose that our friend, "Argus," does not dissent from my views so far—in point of fact, he could hardly do so; for the only part of his definition I directly dispute,—the liability of the partners "for the whole debts of the partnership," is expressly decided in my favour, by the case of Rickets v. Bennet (17 L. J. C. 17), which distinctly enunciates the doctrine that no partner is liable for the dots mourred by others without his consent. This case is only mother phase of the principle that prevailed at the time of the ruling in Vice v. Anson, which various side-winded attempts had been intermediately made to supersede, with the view of supplanting mining customs, by the common law. However, those exceptional cases may be said to be now over-ruled by Lord Truro, as Chief Justice of the Common Pleas, whose eminence as a common law judge no one can dispute.

We now pass to the consideration of scrip companies. What is scrip? It is the certificate or representation of a defined pecuniary capital payable by instalments, which certificate is inscribed with the particulars of the instalments as paid (hence the name), and becomes convertible into a share certificate when the whole capital is paid up. There is thus an essential difference from the true cost-book certificate, which some persons confound with scrip. The cost-book share certificate is a mere voucher of the interest in the adventure, which may, or may not, pass may actual estate (practically, for convenience of transfer, it never does), but which gives, at the least, an equitable interest or representation in the "adventure and its products," and not in any capital stock, which is the virtual investment in railway and other joint-stock companies. The legal distinction is clear and intelligible. In cost-book companies case shareholder is a cestus qui trust of the persons who hold the legal state, taking an equitable interest only, which amounts to a quass tenancy in common; and, therefore, he cannot legally be tests in the capital, and it is only the contract of the company is officially vested by delegation from the constituents. Consequently the shareholders in a railway company have positively nothing to say to the real estate, have by their control over the board. Herein will be observed the natural line of demarcation between the Cost-book System, and the constitution of such a company, where the rights and authorities of the partners, in respect to property the subject of the enterprise, are transferred absolutely or under limitation, whilst under the cost-book, the body of associates at large compose the administrative power. And, again, as to the right of individual members or pfficers to pledget the credit of their co-partners or employers, it is clear that the cases which have been set up to establish such a principle with regard to cost-book companies have not been well considered, nor do they show a careful enquiry into the nature of the "principle;" because the cost-book, as a mining custom, apparently emainting from the Roman law, or perhaps some more ancient type or analogy of that jurisprudence, is manifestly opposed to the common law of England, in this particular.

These considerations naturally point out the irreconcilable absurdity of forming a cost-book company and representing the interest of the constituent members by a pecuniary capital, divided into shares, bearing on them the impress of an estensible monetary value in proportion to the amount paid up. Of such shares scrip certificates are don't the preliminary substitute, till the whole of the capital stated on the share is paid up. By this I do not intend to convey that it is inadmisable to give in the contrary, I think that this, and every

other principal fact, such as the special conditions of the cost-book, should be succinctly shown on the face of that document, which is in truth, the evidence of title to each share. Between these two forms dietriflectes there is a broad and inseparable barrier; to transgres this rule, by giving to a nominal cost-book the term of a share referring to any capital stock, and by showing the aliquot contribution to such capital, would clearly vitiate the whole constitution; and, by that departure from the principle of law which governs the "custom of miners," as an exception in favour of mining industry, the company would fall within the scape of the 7 and 8 Vic., cas. 110, and be subject to the penalties for non-registration.

Our next point in the scriation discussion of the definition will be "the costbook" itself, the form and effect of its provision; but it is to be hoped that some of our Solons will now take the matter in hand, and bring in a bill to regulate and encourage our mining associations. Still it is to be hoped that anything that may be done in this regard will be more maturely considered than the Report of the Committee on Partnership, who appear to have been in part ignorant of the combinations in the subject on which they pretended to adjudicate.—Junisconsultus: Feb. 4.

WEST WHEAL RUSSELL MINING COMPANY.

WEST WHEAL RUSSELL MINING COMPANY.

Sir.,—The first annual meeting of this highly-promising company took place on Friday last, as reported in your columns of the day following, and I cannot refrain from comparing the result of 16 months' outlay, the work really performed in that time, and the present position of its financial affairs, challenging you to show any other, among the scores around, that have progressed in a similar way. This mine was set to work on a legitimate footing—no premium was exacted—all came in upon equal terms as shareholders; even the committee act gratuitously. The outlay (1540f. 19s. 1d.) has been judiciously-expended, and there has been no jobbing in shares encouraged; the present market value of them proves the fact.

Compare this concern, as it really stands at this moment, and you will find that some scores of others not many miles off, which have been longer before the public, have expended considerably more money, and are not half the depth, have not one fourth of the levels extended, and yet are belstered up, more for the purpose of gambling transactions in the share market than for the procedution of legitimate mining, actually standing at many hundred percent premium. I am no shareholder in either of them, though well acquainted with their locality, and am prompted to write this, solely to prove that I can as readily bestow praise as inflict censure—the former being a more pleasing duty, when it comes deservedly under the notice of Argus (of Truro).

Feb. 3.

UNITED MEXICAN MINING ASSOCIATION.

UNITED MEXICAN MINING ASSOCIATION.

UNITED MEXICAN MINING ASSOCIATION.

Sir.—Having attended the half-yearly meeting on Wednesday last, I was highly pleased to see so respectable and numerous a bidy of proprietors present; and although strongly on the side of those who wished to have the committee of five appointed, and still remaining of opinion that it would be most satisfactory to the majority of the shareholders. I beg most distinctly to state that so far from this being intended as doubting the judgment or condemning the acts of our honourable board, it would only tend to prove to the proprietors generally that the board has done the best for the interest of the company during the long period they have been in office. Large as the number of gentlemen present were, it should be taken into consideration that they in reality only represented one-tenth of the proprietors, and the shares voting less than one-eighth of the number distributed. Many of the absent holders reside at a considerable distance, and have no means of knowing the progress making, except by reading the monthly reports in the Mining Journal, the half-yearly financial statements therein, or the condensed particulars that, perhaps, twice a year appear in two or three other newspapers.

except by reading the monthly reports in the Mining Journal, the half-yearly financial statements therein, or the condensed particulars that, perhaps, twice a year appear in two or three other newspapers.

Now, if parties actually at the meeting on Wednesday, entitled to 43 votes out of 113, after seeing the report and documents, and hearing all that their occupied four hours in discussion, stood firm in opinion that such a committee was necessary, the impression on my mind is that the proprietors of seven-eighths of the shares not present, on reading the faithful report given in the Mining Journal of Saturday, will be for the appointment of such a committee, and not be satisfied without, especially, finding as they will, that the honourable chairman and his colleagus had not the least objection to it. It is in the power of such shareholders to have one even now; they have only to get up a requisition to the beard, call a meeting specially for the further consideration of the subject, and they may rely on the cordial co-operation of the 1981 shares, entitled to 43 votes. The packet from Mexico will have arrived with later advices in the interim, and Messrs. Legg, Weston, and Anderton (to whom we are already indebted) will, doubtless, have elicited much more real information, according to the chairman's polite request that they would attend at the office: ""there were no secrets; if any proprietor wished to see any document, book, or paper, the accountant would attend by day or night, until he or they expressed themselves satisfied."

I hope those three gentlemen will make a point of going tegether to the office

to the chairman's polite request that they would attend at the office: "there were no secrets; if any proprietor wished to see any document, book, or paper, the accountant would attend by day or night, until he or they expressed them solves satisfied."

I hope those three gentlemen will make a point of going together to the office for the purpose, and if they express themselves satisfied. I think the shareholders may be so, but I know they would naturally prefer a committee of five duly appointed; I, therefore, beg thus publicly to throw out this suggestion for the consideration of those shareholders who reside at a distance. Let there be such a committee; there is not the least objection to it, and that it is most desirable, and for the benefit of one and all, I will now further attempt to show.

Our manager, Capt. Farrell, till within the last 10 months was connected with the artillery, and knew nothing about mining tactics. This is admitted; we are told Mr. Parkman is the miner; what has be done to prove is talent in such a capacity? where got he his mining experience? I am fully as strenuous an advocate as Mr. Legg, that a mine manager should be a man experienced in mining and geology. Is Mr. Parkman perfectly qualified in these respects? My own experience tells me he is not; the buscomes being called in so recently tends to prove it. He worked on at a weekly lose,—they immediately made large weekly profits. He contends that La Luz vein "drverges beyond the territorial possessions of the company," whilst an English gentleman, long resident in Moxico, "a very skilful miner, who combines local knowledge with much experience in mining," is so confident that it does, that he actually engages to furnish the means of proving it and working it at his individual cost, and less if unsuccessful, sharing one-half the profit with the company if he succeeds. Should the means of proving it and working it at his individual cost, and less if unsuccessful, sharing one-half the profit with the company if he succeeds. Should

be more profitable to them.

The Mine of Rayas, if given up on the 31st December (which the next mail may announce) will stand Indebted to the company nearly 50,000% sterling, receivable out of the profits when worked by any other party—this may not occur for a long while. Should the term be renewed to the association, it will entail an additional outlay in the opening of ground by men on tutwork, and, therefore, requires due consideration our all sides, notonly as to the mode recommended by practical agents in Mexico, but the board here, and the proprierors generally, for it is not likely to be done without another pull on the purse strings.

The new mines have also taken a very large sum, and there does not as yet ap-

be done without another pull on the purse strings.

The new mines have also taken a very large sum, and there does not as yet appear any immediate prospect of either of them paying their own current expenses. To the 31st October they stood indebted to the association about \$283,672 \cdot Aldana, nearly \$2100,000, then working only "with the stringent requirements of the unining, laws, and the stipulated rainingmon of abour, with no present advantage." A committee would elicit whether there was any prospective advantage likely to result if not, and their opinion coincided with that of the board, the sooner it be suspended the better. At La Trindada, similar labour only is bestowed at present, the debt being under \$40,000. "The valuable and highly prized La Luz vein" either does or does not pass through this territory, and it will be for the advantage of the association to incur the expense of proving this, or allowing others to do so, receiving one-half the profits. The mine was taken in the full expectation that the vein did pass through it, and one way or the other it should be ascertained, rather than be left longer enveloped in "much doubt and anxiety," as stated in the report.

The mine of Jesus Marla has incurred an outlay of \$61,000, and is down 107 vares, the veins increasing in size as they get deeper. From San Ricardo and San Pablo four distinct points simultaneously will test the vein to the entire depth of the shaft. Surely such an object should be attained with the least possible delay. At Ming Grande, the operations at the bottom of San Jose shaft warrant further prosecution, the dobt at present is about \$78,000. More onlay in these may be judiciously expended. The Zacatecas claims, haclendas purchase of quickwiver, together with the general affairs of the association, cannot receive any injury by the appointment of a committee; on the contrary, their report would tend to confirm the confidence the shareholders have ever entertained, and assist in keeping them bott pacified and satisfied, until the

ording to the resolution come to you will, in all probability, receive conductors from many other quarters upon this subject. Allow me, therefore, de this by stating that I, for one, do not for a rooment impugn the hose who have had the direction of our affairs. Still, I cannot entertain that the appointment of a committee would have terminated favourably rest of all concerned.—Nunez: Islington, Feb. 1. e, to ec

THE DRAKE WALLS MINING COMPANY.

THE DRAKE WALLS MINING COMPANY.

5in.—After seven years prosecution of this adventure, we have arrived at the enviable position of being placed amongst the dividend-paying mines; and really, from the reports presented to us by our respected chairman, by Mr. Johnson, and Capt. W. Webb, our agent, we may reasonably calculate upon a continuance, while the price of tin keeps as it now is.

I am fully aware that we should have received dividends scorer but for two reasons. The first was the low rate of our produce, owing to a mixture of wolfram in it. The second, the unremunerative price of tin generally. We have got rid of the first, and have now to hope that the present steady demand will enable the smelters to have more consideration for us, and give a fair value for our produce.

During the last year, the mine has considerably improved, and is now in regular working order above and below. More machinery and stores having during that period been supplied, we may assume that the property is in an effective state of working. In the western part we shall reach the 80 fathom level in the course of a month, and increase the returns from this quarter;

during that period been supplied, we may assume that the property is in an effective state of working. In the western part we shall reach the 30 fathom level in the course of a month, and increase the returns from this quarter; but to our prospects east I look with most confidence; the ore is evidently dipping eastward. The 60 fm. level will be communicated with the footway shaft very shortly—say, three months; and then we shall be able to stope a long run of tinny ground standing in the back of the level. The ground in these levels has changed into a beautiful light killas—the ore looking well in the bottoms, which is all in whole, but too far from the sump to have expedited the sinking our other shafts with the speed we could wish. The new wheel will, however, conquer this; and we shall by its means sink Mathew's shaft, which is 120 fms. east, and thus have two sump-shafts—one east, the other west. Mathew's shaft could not be placed in a better position than it is; and by the lst of May I expect it will be down to the 50 fm. level. If so, by Midsummer we shall reach in all probability the 60. In conclusion, I would invite inspection of the surface plan now at Salvador House, showing the locality of the property and the numerous parallel lodes in the adjoining setts, more particulary to the southward, fully persuaded that, if they are spiritedly prosecuted in depth, they will be found to amply repay the shareholders, and prove this to be one of the best districts in the eastern part of Cornwall.

Feb. 4.

WHEAL MARY EMMA.

WHEAL MARY EMMA.

WHEAL MARY EMMA.

Sir,—In answer to your remarks about Capt. Heath's claims on this mine during my pursership, allow me to inform you that he was the registered proprietor of about 60 shares in the mine; and when calls were made, his salary was retained in hand towards the liquidation of them. Capt. Heath having sold some shares, says the purchaser should be charged with the calls then due, which the purchaser denies. Be that as it may, it should be settled between themselves, and without expecting the purser to entangle the affairs of the company by interfering in such disputes. A purser can oally look for payment of calls to those whose names appear in the cost-book at the time they are made. Capt. Heath having nominated in writing a referee, and agreed to be bound by his decision, should do so, without making use of your Journal in endeavouring to coerce the adventurers to pay unjust demands.

London, Feb. 5.

WHEAL WREY CONSOLS.

WHEAL WREY CONSOLS.

MUSEUM OF PRACTICAL GEOLOGY.

MUSEUM OF PRACTICAL GEOLOGY.

Sire,—Business having called me to London, I availed myself of the opportunity of attending several lectures delivered at the lecture-room of the Maseum by Drs. Forbes and Percy, and Messrs. Hunt, Smyth, and others; and I am prepared to speak as to their truly practical character. I feel glad that the gentlemen constituting the staff of the institution have a field for the exercise of their distinguished talents, and that the British Government have so far displayed their wisdom in fostering science as to provide the needful machinery for imparting knowledge in the various branches of science there taught. It must be confessed that, while millions of the public money have been wasted in various unprofitable directions by successive Governments, they were not very ready to provide a few thousands in the way of scientific education. Now, however, that they have provided convenient premises, and have an accumulating museum and experimental apparatus, it is hoped-and believed that this institution will rapidly prosper, and that the benefits will be developed in the superior manner in which mine agents instructed here will conduct mining operations. I am sure that the lectures are of the right sort, and are so frequent that the lectures are no sinecurists; they work hard for their salaries. The Mining Record Office is a very important department of the institution. Of this Mr. Hunt is the keeper; and he has engaged a surveyor to furnish copies of the plans and sections of mines. Those copies, like everything else at the institution, will be open to free public inspection. This is the best public institution in the metropolis, because it furnishes living instruction, with appropriate illustrations, in all the essentials of a mining education. There are I find several pupils who attend the lectures, which are also attended by several of the fair sex, who regularly take notes.

GOLD REDUCTION.

GOLD REDUCTION.

GOLD REDUCTION.

Sir.—In these days of gold, or golden days, when schemes are rife for gold mining and gold reduction, and companies for these purposes are starting up on all sides, we need not be surprised that some excitement should be caused by the announcement of a patent process which is to supersede all the old-fashioned modes of crushing and amalgamating, and to "astonish" the rocks, as well as the world. Of course everybody is conjecturing how Mr. Longmaid effects his object; some supposing that it may be by solution in a new solvent or combination of acids; others, that it is a revival of an old plan of plunging red hot quartz into water; and others, that is by melting in pots with a new flux. Whatever the process may be, however, and until properly tested, we may be allowed to doubt whether practically and economically it will be found more advantageous than crushing, and washing and then melting down, as of old; nevertheless, we may wish it success.—P.: Feb. 3.

LITERARY NOTICES.

he City Smoke Prevention Act, with Suggestions on the Use of Smoke-Consuming Furnaces. By W. KELD WHYTEHEAD, C.E. London: Weale, High-Holborn The City Smoke Prevention Act, with Suggestions on the Use of Smoke-Conseming Furnaces. By W. Kelld Philythera Act, with Suggestions on the Use of Smoke-Conseming This pamphlet its author professes to be "a selection of hints from his note-book—the result of 12 years practical experience," it will, therefore, be read by many now the City Sewers' Amendment Act is empowered to enforce observance of its smoke-prevention clause, in hopes of obtaining sound practical information. In his second chapter, on the "Causes of the Production of Opaque Smoke," Mr. Whytchead at once displays his incapacity to treat the subject chemically. He there speaks of the "imperfect combustion of the fuel"—coal—as the occasion of black smoke; and proceeds to assert, what engineers say, that "a square foot of lock smoke; and proceeds to assert, what engineers say, that "a square foot of fire-grate will only burat to advantage he lies of coal-per hour." Mr. Whytchead here confuses and entirely loses sight of two important facts—the difference between the solid and the gaseous fuel, and between the air supplied to the former and the air supplied to the latter. Having once plunged into this slough of arror, so common among mechanical engineers, we are prepared to hear any extravagance of reasoning without being directed to the truth. Thus he says—"Ilb. of coal requires 2 bis of oxygen for its perfect combustion; to supply which, 150 cubic feet of atmospheric air must be passed through the spaces between the fire-bars, affording a very limited air-passage." The reader, naturally considering this to be the very root of the evil, snaulizes for a remedy, which, in chapter 3, seems for forting a very limited air-passage." The reader, naturally considering this to be the very root of the evil, snaulizes for a remedy, which, in chapter 3, seems for other moves the free blank, affording a very limited air-passage." The reader, naturally considering this to be the very root of the evil, snaulizes for a remedy, which, in chapter 3, seems for other m grate, it is difficult to divine; and, surely, Mr. Whythead ought to know that the alternative sing and lowering of fire bars, either by levers or eccentrics, riddeesal the small coal into the sah-pit. How he can recommend such wasteril methods is somewhat surprising. The Argand fariance is an air-supplying and air-distributing france, and seems fully to provide the great desideratum pointed out in the former chapter, but is only introduced, not to recommend it, but to grove its fallacies. Its name is as much due to this furnace as to a common grate on Mr. Whytehead's aboving, because turn in "Argand" lamp the "air is admitted through the slane." This may be Mr. Whytehead's mechanical view of an "Argand" lamp, but we are quite at issue with thim. Does tree mocke, then, from a chimney go through the bricks; or do the bricks merely surround the smoke? I na Argand oll lamp, or gas lamp, we have a mere sheet of slame, which, whether the wick be straight or circular, answers the same end; in short, whether gas be hunt from a straight of circular, answers the same end; in short, whether gas be hunt from a straight slat—, or from the same turned to a circle, O, there is no passing of the air "through the slame." The simple fact is, that in sither case, the gas using spread out, offers a larger surface to the air, effecting quick distribution and admix ture with the atmospheric oxygen. When he mistating the construction of the furnace as "a row of perforated pipes at therease of the fire." Prom a practical gratleman of 12 years's experience, we should have locked for a description less calculated to misguide the public. In all the descriptions we have seen of the Argand furnace—the arrangement of which has been fully discussed in the dionisy Journals of some years past—we never met with this roveity in its construction. The principle of the Argand furnace we then the most of the farmace in the supplying fast air to the guesous products of the solid theely, which Mr. Whyteheed himself labours to prove cannot be obtained

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re volume of gas over which he has no control, irrespective of the particular size a lacement of the air-distributing apparatus, and contrary to Mr. Whytehead, by will have it exactly "at the back of the fire." Walmsley's self-feeding apparatus is described, but its patentee never named. Its coal distributing discs are resented as being "at a slight elevation above the bars," which is quite erecous—their place being not backward, but forward, above the dead plate. Mr. Ke's moveable furance is charily praised; but, says Mr. Whytehead, "Candour npels us to add, that it is expensive, complicated, and very liable to derange-at." Hall's patent moveable fire bar is recommended, though subject to the cal waste by sifting the slack into the ash-pit. Godson's furance is feebly praised; it is never noticed that it will only answer for very slow firing. We have looked 'ris for the promised "12 years' practical experience;" for, certainly, a more sigre, indigested, uncientific summary of this important subject we have never used, arising, in our opinion, from that toe common failing of not unsting the unsite chemical knowledge with mechanical skill, to work out to advantage those chanical arrangements which favour and promote the wise and well-arranged erations of Nature, which guided work wonders, but opposed, present ungornable obstacles.

ARSONS CREEK CONSOLIDATED MINING COMPANY.—Capital #410,000, of which #260,000 is held by the Californial opprietors, and the remainder is to be allotted to the public, in shares of #1 each yable upon allotment.

ENGLISH DIRECTORS.

able upon allotment.

ENGLISH DIRECTORS.

JOHN SADLEIR, Esq., M.P., Chairman of the London and County Joint.

45

Stock Bank
GEORGE BURGE, Esq., 5, Shaftesbury-terrace, Pimlico
ROBERT GILLMAN, Esq., 28, Bucklersbury
THOMAS HAWES, Esq., 35, Regent-street
GEORGE HENNET, Esq., 24, Duk-street, Westminster
JAMES RHODES, Esq., London and County Joint-stock Bank

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S. dine JAMES RHODES, Esq., London and County Joint-stock Bank
WILLIAM HANCE, Esq.
HON, D. W. MURPHY
(Now in England.)
BANKERS—Messre.
BANKERS—Messre.
Glyn, Mills, and Co.
SOLICITORS—Messre. Wilkinson, Gureey, and Stevens, 2, Nicholas lane
BROKERS—Messre.
BROKERS—Messre.
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Biscos and—Messra. George Burnand and Co., Corphili, Messra. Poster and
Biscos and—Messra. George Burnand and Co., Corphili, Messra.

OPPICES OF THE COMPANY—Allhallovs Chambers, Lombard Street.

Carsons Creek Gold Mine stands pre-eminent as the richest gold mine in Calibraia, and is probably the richest in the world.

This mine was discovered by Mr. Wm. Hance, who, associated with others, obmine and the stands of th

spectability of the gentlemen who are now in England, and represent the American Proprietors.

Copy of letter from Edward C. Marshall, Esq., Representative in Congress of the Southern Division of the State of California, in which this mine is situated, to the Hon. D. W. Murphy:—

Washington, D.C., Jan. 1, 1851.

Dara Sin,—In compliance with your request, as one of the members of the Carsons Creek Consolidated Mining Company in California, I take pleasure in being enabled to state, from having resided within six or eight miles of your mine, and after its discovery having been present there and witnessed your operations, that I regard it, taking in connection its position, its conveniences for being worked with either steam or water-power, together with the richness of its ore, as being unsurpassed by any discovery which has been made in California, or, perhaps in any other country. I have seen taken from this mine or in masses of 1 lb. to more than 190 lbs., containing from 20 to 80 per cent. of gold, at a depth not exceeding 50 feet below the surface. Its elevation is from 20 to 3000 feet above, and within one nile of the Stanislaus River, which stream affords a constant supply of water-power in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations; the country-fround in any quantity which could be required for mining operations. in any quantity which could be required for mining operations; the country around and adjacent is also sufficiently timbered to admit of the application of steam-power, if desirable. I may further state that the distance from this mine, which is situated on Carsons Creek, in Calaveras County, California, is not exceeding 55 miles from the city of Stockton, on the San Joaquin River, at all times navigable for ships and steam-boats, and the road from thence to this mine is such as to admit of conveyance by stages or waggons, which are now used for this purpose the entire distance. I am, Sir, &c., EDWARD C. MARSHALL.

Letter from the Hon. John J. McRae, Senator in Congress from the State of Mississippi, to the Hon. R. J. Walker, introducing "his friend, the Honourable D. W. Murphy, son of the late Governor of A'abama, and for several years a Member of Congress from that State," to Mr. Walker's distinguished consideration.

Extract of a letter from E. C. Marshall, Esq., to Thomas Crittenden, Esq., of

Liverpool:—
Mr. Murphy goes to Europe on some business relating to the mine in California,
of which he is lucky enough to be part owner. It is the richest in that country,
and, I have no doubt, in the world.

Copy of letter of the Hon. Wm. M. Gwin, Senator in Congress from California to the Hon. Daniel Webster, Secretary of State, introducing the Hon. Duncan W. Murphy, for the purpose of obtaining credentials:

Murphy, for the parpose of obtaining credentials:—

Washington City, January 3, 1852.

Sia,—I beg leave to introduce to you the Hon. Duncan W. Murphy, a Member of the Legislature of the State of California, who will hand you this note.

Mr. Murphy will visit Europe in a few days for the purpose of getting machinery to work the rich vein of quartz rock on Carsons Creek, of which he is part owner. I have visited this vein, and believe it to be the richest in the world, and with proper machinery, the amount of gold that could be taken from it annually would be in-Zeedible to those who have not visited it, and become familiar with the richness of the gold-bearing quartz of California.

Mr. Murphy may wish, while in Europe, to make some negociations connected

with his quartz mine; and I ask the favour of you to recommend him favourably to our Minister at London as a gentleman of honour and integrity, which I know him to be. By so doing, you will confer a favour open a highly-valued citizen of my State, and greatly oblige

Your Friend and obedient Servant, WILLIAM M. GWIN.

Extract from a report by the Hon. R. J. Walker, late Secretary of the Treasury of the United States, upon this mine, dated Brighton, Janoary 26, 1882, to Messrs. William Hance, President, and the Hon. D. W. Murphy, Director, of the Carsons Creek Consolidated Mining Company of California:—
Your title depends—1. Upon your prior discovery of the mine.—2. Your uninterrupted possession of the same for several years past, and at this period.—3. Your continued working of the mine, together with the improvements made upon the adjacent lots necessary for buildings, &c.—4. Your regular survey of the same, to capther with the filing thereof, and of your claim in the proper offices in the State of California.

I believe, Gentlemen, that your title will be fully maintained, for the following reasons:—

reasons:—

1. Because I understand it to be in conformity with the usage in similar cases in the State of California, and so recognised in that State.

2. Because your title has already been recognised and maintained by the Courts of California, by a judicial decision now in the possession of Mr. Murphy.

3. Because it is the established policy of the Government to maintain and respect such bond Met possession, accompanied by valuable improvements.

4. This has been specially the case in regard to the gold mines of California. Congress have ever since their discovery, more than three years ago, encouraged the working of the mines by occupants, and exhibited no disposition to interfere with such possessions.

such boud fide possession, accompanied by valuable improvements.

4. This has been specially the case in regard to the gold mines of California.

Congress have ever since their diacovery, more than three years ago, sneouraged their stack of the congressions.

The policy of all the States of the Union is to augment the mining of gold in California. This precious metal is thus carried throughout all the avenues of trade and ndustry of the whole country, increasing its commerce, enlarging its revenue, stimulating its labour, and tending in every way to augment the prosperity of the country. I believe it then to be the settled policy of the Union to permit things to remain as they are at present in California, without the exaction of any charge for mining, and thus to encourage the working of these mines, and thus increase the gold circulation, as much more beneficial to the country. I have any attempt by expensive agencies to exact any royalty from the mines. If, however, any royalty should be exacted, it would, I am sure, be very small, and such as would make no material difference to the miners.

For all these reasons, I am clearly of opinion that your title and possession will be maintained undisturbed, so long as you and your successors, or assigns, continue You request my opinion also as to the value of this mine. I have never been in the state of California, and cannot, therefore, ageath like yourself from personal observation. I have, however, formed a very decided opinion as to the value of this mine, and am willing to express it, together with the grounds on which it is formed. I do, then, believe, that this is by far the richest gold mine in the world, for the following reasons—

1. Mr. Hance is the discoverer of the mine, he is personally well acquanted with it; he has made a written statement in regard to it, which I fully believe in the entire truth of that statement.

2. Hon. Mr. Murphy, who is also personally well acquainted with the mine, has, likewise, made his written statement in regard to it, w

FORM OF APPLICATION FOR SHARES.

To the Directors of the Carsons Creek Consolidated Mining Company

To the Directors of the Carsons Creek Consolidated Mining Company.

GENTLENEN.—I hereby apply for shares of #2! each in the above Company, upon the terms of the prospectus, and agree to accept the same, or such lesse number as may be allotted to me, and to pay the amount thereof as and when re quired. Dated this

day of February, 1852.

Name
Address
Occupation.

London, Feb., 1852.

References and address.

London, Feb., 1852.

Coccupation.

References and address.

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TRAWSANT LEAD MINING COMPANY.—A general meeting of adventurers in this mine was held on Monday evening, at Gregory's Hotel, Cheapside, —Stephen Broad, Esq., in the chair. A report was read by Mr. W. Gregory, stating that the company was formed to work a sett, comprising a run of half a mile on the course of five large lodes in the Trawsanat estate in Brecknock shire, recently held by the late Abergwessin Mining Company, which had expended between 80001, and 90001 on shaft, machinery, &c. The shaft is sunk to 80 fms., and adjoins the lodes of the Nant-y-Mwyn Mine, whose return averages 150 tons of lead per mouth, and run through the whole of this company's property; the royalty was to be 1-10th and 1-12th. The cost was estimated at 80001, in 11. shares, on the Cost-book Principle. A specimen of the ore at 80 fathoms was produced, and estimated to yield 70 per cent. Mr. A. Dean's report estimated the produce to be 121, per ton; which, deducting 74 for all costs, would leave 54 for the shareholders. The rules of the company were read and passed, Captain Couch appointed the resident agent, a committee of management nominated, and Mr. Gregory chosen secretary; when, after some routine business, and subscriptions for shares, the meeting adjourned for two months.

HOLLOWAY'S OINTMENT AND PILLS A CERTAIN CURE FOR BAD BREASTS.—

journed for two months.

Holloway's Ointhient and Pills a Certain Cure for Bad Breasts.—
Extract of a letter from Mr. F. Turner, grocer, of Penshurat, dated December 12, 185:—"To Professor Holloway.—Sir: It is with pleasure that I acquaint you of the wonderful cure effected by the use of your invaluable ointment and pills. My wife suffered for more than six months from a dreadfully sore breast, and which her medical attendant found impossible to heal. She then tried your medicines, which, in little more than a month, effected a perfect and radical cure, to the astonishment of the many persons who saw in what an awfully bad state it had been."
—Sold by all druggists, and at Prof. Holloway's establishment, 244, Strand, London

COPIAPO MINING COMPANY.

The half-yearly meeting of shareholders was held at the offices of the company, New Broad-street, yesterday.

CHABLES HEARTON ELJAS, Eq., in the chair.

After the usual preliminaries, the following report was read:—
The directors have to state that circumstances have arisen during the past six months beyond the control of the management, which have caused the operations at the mines to be attended with less nucess than could be contemplated at the last half yearly meeting of shareholders. In the month of July as epidemic premium, and a great many of the natives died. By the more recent advices, the directors have been apprised of the progress of the revolution in Chill: and the lighty thereby indicted upon all commercial pursuits has been felt to some extent by this close the progress of the revolution in Chill: and the lighty thereby indicted upon all commercial pursuits has been felt to some extent by this close to the progress of the revolution in Chill: and the lighty thereby indicted upon all commercial pursuits has been felt to some extent by this close to the progress of the revolution in Chill: and the English miners to guard the mines by night, to prevent plunder and the probable destruction of property. The shareholders will thus see the temporary hinderances that have occurred, and it now remains for the directors to report upon the past half-year and the produce from the property of the past half-year and the produce from the property of the past half-year and the produce has been 25 to some 3 copper ore—being 150 tons less than in the same period preceding. The falling off has been At Checo, 90 tons, San Ferro, 39: La Compania, and La Reina, 11. San Angustia, 11 to the contract of the compania and La Reina, 11. San Angustia, 11 to the contract of the compania and La Reina Alices, in the Tree Puntas districts, where the prospects of the new and numerous veins are reported to be brighter every fail the labourary of the produce has been an expect of the produce of the produce

Thanks were given to the chairman and directors for the able management of the affairs of the company, when the meeting separated.

ROCKY BAR MINING COMPANY.—This company has been organised in the United States, for the purpose of auriferous quartz mining in California, and possesses two claims in that State, said to be most valuable—one at Rocky Bar, on the middle fork of the American river, and the other at Massachusett's Hill, Grass Valley, Nevada County. The prospectus, which has been issued on the resolution having been formed to establish an agency in London, enters fully into a description of the general squatter's law, and the tenure of claims to mineral lands in California. These appear to be perfectly secure, and when once obtained, under the regulations of the United States laws, parties work on them without fear of molestation. The society was first formed by 40 persons, as a labour association, to excavate a raccway and erect a dam, to divert the water of the river from its original channel, for the purpose of collecting gold from its bed, when in three weeks 107 lbs. were obtained. They subsequently enlarged their claims, and admitted 120 more shareholders, making 160 in all; and having discovered that they were in possession of rich quartz voins, directors were appointed, a code of regulations adopted, and an office taken in New York for conducting the financial business and the transfer of shares. A few large shareholders having decided on disposing of 1000 shares is 52, each. The machinery already erected on the claims consists of \$1,000,000, in 10,000 shares of \$1000 each, and the minimum price for the 1000 shares is 25, each. The machinery already erected on the claims consists of nine stamps' heads of 600 lbs. each, and an improved large Chilian mill, a 60-horse power steam-engine, with smiths' shop, dwelling houses, coal and wood houses, with a railway from the veins to the mills, and a supply of 200 wheelbarrows. The claim at the Rocky Bar consists of a frontage of 1600 feet along the river, extending to the top of a mountain 11,000 ft. high, and that at Massachusett's Hill of 80 claims, 30 by 40 ft. each, and 50 ft. 1

to be an average specimen, was assayed by Messrs. Johnson & Son, of Greshamstreet West, and produced at the rate of 992 troy ounces to the ton.

Accounts from the Australian go'd mines have been received from Sydney to the 11th November, being a month later than the last dates. They confirm all the anticipations thus far entertained of a permanent and increasing yield. At Bathurst, and on the Turon River, operations were being steadily carried forward, and new deposits were found with sufficient frequency to show that the ultimate results are likely to be precisely similar to what has been realised in California. The fresh spots chiefly mentioned are at Braidwood and Lake Bathurst, about 150 miles south of Sydney, and consequently in a direction different to the discoveries hitherto, which have been to the north-west. Including the amount shipped in the present vessel (80,000), the total export from Sydney had already reached 340,000). This was during a period of five months, and as it was estimated also that at least 100,000. was still in the hands of miners, it would appear that the total production has been at the rate of upwards of 1,000.00. part and the story of the control of the production of the months, and as it was purity: 1000 czs., purchased by one party at 37. 4s. 6d. per oz., were found 7 per cent. better than standard. The dates from Melbourne, by this arrival, are to the 6th November. The general rush from Melbourne and Geelong to the mines that Bailarat appears to have resulted in disappointment, but there was absequently are action in their favour. The Leutenant-Governor, during his visit to Bailarat, had proposed to the miners that they should withdraw for two months, their claims being meanwhile guarded, in order that the crops of the colony should not be destroyed. "This (it is said) was warmly responded to by a very large majority, so that our harvest may now be considered safe." It remained to be seen, however, whether the resolution would be maintained, and it was likely to be effected b

valued at \$1,000.

Our later Californian accounts mention that new developments of rich leads of quartz are being made every day in Nevada county. The extensive operations in working quartz now in progress are comparatively small, as contrasted with the immense masses that are opened and proved, and if further appears that the quartz leads, upon which expensive machinery has been erected, and which are generally paying so well, are not, on an average, better than those as yet unworked. A local journal has entered into a calculation to show that quartz paying not more than 1 cent per lb., with adequate machinery, will produce a clear profit per day of \$1000. The general average value of the quartz now being wife this district is 3 cents per lb., and millions on millions of tons of quartz that will pay at this rate are stated to be now lying discovered, yet unworked, capital only being needed to tura this huge gold-field to a most profitable result.

A deputation from the directors of the Australian Gold Mining Company, consisting of Messra. P. W. Flower, John Lambert, and William Walker, and Mr. J. T. Wright, secretary, had an interview with Earl Grey, on Wednesday, at the Colonial Office.

RAHLWAY AND WOMMERCIAL GAZETTE

MINING NOTABILIA.

[BETRACTS PHON OUR COMMSTONDENCE.]

NORTH TRELAWSY.—A deputation of gentlemen connected with this important mine is now in the county, and have called in the opinion of nearly all the mining captains of the district—some of whom are the most practical, men in the whele county of Cornwall, accustomed from childhood to mining works, and whose present position places them beyond the slightest suspicion. They all agree in declaring it to be one of the finest discoveries made in the county, and are manimous in opinion that an abundance of lead ore will be set with within, at the outside, 20 fms. under the adi. It has, therefore, been determined to continue the existing works with all vigour, and to erect a waterwheel forthwith. The opinion of Mr. C. S. Richardson, of Lendon, and others not so closely identified with the county, had been previously obtained; and the present inspection fully substantiates all they asserted. Amongst those who have gratuitously inspected the set was Capt. John Floyd, of Stoke Climeland, than whom, it is well known, there is not a more experienced or practical miner in the whole of the Duchy, and who has made more valuable miners! discoveries than almost any person connected with mining enterprise. He says, under date of the 1st instant—

mineral discoveries than almost any person connected with mining enterprise. He says, under date of the 1st instant—

"In handing you this report, I have to say the long-established opinion of miners and tisners, scientific and practical, is this—the neighbourhood of Linkiughorns, particularly about the vicinity of the granite Caradon hills, abounds in tin, copper, and silver-lead ores—the former from time immemorial; and, at the present day, it being so well-known, it is useless to do more than allude thus generally to the fact, that the locality affords more than ordinary inducements to persons inclined to embark property in mining. Under this impression. I send you the report of North Trelaway sett, which I have carefully inspected in presence of Mr. John Gumb, the agent of the mine. The first thing I have to call your attention to is the spicatid river of Lyner, which is the south boundary of this valuable sett, travelling about 3! miles per hour, with sufficient water to develope the mine 150 fms. deep—soft only sufficient water for draft engines, but also sufficient for working any kind of machinery that will be wanted—such as stamping and crushing the different ores that will be risen in the said tin, copper, and silver-lead sett. The said stream is at least worth 36001, per annum to the proprietors, because the stream will wholly supersede the necessity of steam-power, which is such an expensive item is mining operations.—Secondly, I have to inform you there are two continuous mining operations and the context of the settlement of the settlemen

of one will be met with and drawn to surface."

PENGRAIO LEAD MINK is situate near Lianrwst, Carnarvonshire; and has up to this time sold about 200 tons of lead ore by private contract. Captain Absalom Francis has recently, inspected it with some other mine agents—all of whom report favourably. The sett extends over 174 acres, through which seven isdues are represented to pass. The lease is unoxpired for 18 years, at 1-10th royalty. The transport of ore from the mine to Holywell is 9s. per ton. The idde is yielding some good ore, and is parallel with the vein at Coed Mawr Pool, about three-quarters of a mile north.

The lode is yielding some good ore, and is parallel with the vein at Coed Mawr Pool, about three-quarters of a mile north.

TREMAR COPPER MINE (St. Cleer).—On Monday a splendid 40-in. steaming by Mr. West, C.E., was set to work on this highly promising concern, and went off in style, amidst the hearty plaudits of numerous spectators. A large party of shareholders, with agents of several of the mines in the neighbourhood, and gentlemen from Liskeard, adjourned to the Sun Inn, Crownsest, wheneod, and gentlemen from Liskeard, adjourned to the Sun Inn, Crownsest, wheneod, and gentlemen from Liskeard, adjourned to the Sun Inn, Crownsest, where a substantial repast, served up in Mr. and Mrs. George's usual liberal and creditable style, was done ample justice to, under the able presidency of Peter Clyme, jun., Esq. The entertainment passed off with much conviviality, every one present appearing highly delighted with the proceedings of the day. In the course of the evening several "practicals" expressed their full concurrence in the opinion of the respected manager (Captain Rule), that Tremar would eventually prove worthy of her vicinity to the Caradons, and if the operations were continued in the same spirited manner as hitherto, dividents would speedily be the result. It is highly creditable to the management, that amidst their own festivity the working miners, and other workmen, were not for gotten—an abundance of good beef, and other et externs, being liberally supplied.

Were all the substray Tim Mine.—We are glad to hear that a good bunch of tin has been cut in the adit level, computed to be worth 25L per fathom. All the practical men who have inspected this mine concur in opinion that this is a wonderful discovery.

Devon and Cornwall discovery discovery discoveral years, and by an advertisement in our columns it would appear the allotment of shares will be made forthwith. Among the numerous projects which have been fostered by the astounding reports from the gold region of Australia, this company appears, from the extraordinary number of applicants for its shares, to stand exceedingly well in public estimation; and, so far as our capacity will enable us to judge, we think its supporters are discriminating very wisely, inasmuch as the elements of the company are bond fide. There are three things more especially in its favour, to which we must briefly draw the attention of our readers—First, a grant of 800 acres of freshold land, most eligibly situate, and bounded on two sides by the celebrated Crookwell stream, has been purchased and obtained on reasonable terms; secondly, the company is promoted by persons practically acquainted with mining and machinery in all its features and requirements; and, lastly, the entire superintendence of the experiment is to be surtrusted to Mr. G. Gard, of the Devon Great Consolidated Mines (the fame of which is patent to all the world, and a reference to our share list will fully beas testimony); not that we mean to infer that Mr. Gard's connection with so great an undertaking can posibly have enhanced the value of that mine itself, but we do assume very confidently that the fact of that gentlemen having been a responsible employe in such an undertaking for several years, coupled with his previous residence in Australia, is, of itself, a sound reason of security as to his integrity of purpose; and the shareholders of the Devon and Cornwall Miners' Gold Company cannet fail to appreciate

The Australian Freehold and Lake Bathurst Gold Mines.—These two mines, adjoining Lake Bathurst, in the county of Argyle, Australia, are most valuable properties, as appears from the intelligence brought over by the ship Phenaician, on Thursday last. The former of these mines has obtained the whole of its capital, and arrangements are being made to send out machinery, engineers, and workmen, forthwith. We think that, inasmuch as these two properties adjoin each other, and the course of the veins runs through the centre of both, it would be desirable, as soon as the Lake Bathurst Company has obtained its capital, to effect an amalgamation between the two companies. The Times of yesterday, in speaking of the new deposits found in Australia, states that the fresh spots chiefly mentioned in the accounts brought over are "at Braidwood and Lake Bathurst." From private letters, there also appears to be another place, called Broula, lying about half way between Braidwood and Lake Bathurst, in which very large deposits have been found. A large party went from Sydney by the Shamrock steamer, to prosecute gold digging at these localities, and by the last accounts their operations had been attended with great success. The Rev. Mr. Clarke (who disputes the first discovery of gold with Hargreaves) had been occupied in a geological survey of the Shoal Haven district, and from Marulen to Manerco, including the Buddwan and the country about the Araluen, and the ranges about Lake George, in many parts of which he had discovered gold. The property of the Freehold and Lake Bathurst Mines are in these ranges, and private letters give an account of successful dizgings in their immediate neighbourhood. Freehold and Lake Bathurst Mines are in these ranges, and private let on account of successful diggings in their immediate neighbourhood.

ACCIDENTS.

ACCIDENTS.

Ringley, near Manchester.—At the inquest on the bedies killed at Mesers. Knowles's and Stett's colliery, noticed in last week's Journal, the following verdict was recorded:

"We strongly urge upon Mesers. Knowles and Stott file immediate necessity of adopting the improvements suggested by the Government Inspector, as we consider that proper management has not been observed in the conduct of the works of the mine. We are also of spinion that the workmen themselves are not free from blame in going into the pit with naked candles, without having first ascertained that the pit was in a proper state to allow of such a proceeding. We also think that the engineer engaged to keep the water sufficiently low to allow of a free current of air was guilty of carelessness in the scorcies of his duly." It was stated that the recommendations of the inspector had been already carried out as far as possible, and they would be completed without delay.

Sunderlend—P. Bargain, aged 11, fell out of the skip at Coxhee Old Pit, and was killed.

**Tolpacet.*—The names of the men who were killed all the Holway Lead. Mine. as stated.

Sunderland—P. Bargain, agod 11, fell out of the skip at Coxhee Old Pit, and was killed.

Moipsell.—The names of the men who were killed at it in the May Lead, line, as stated last week, are John Davies and Thomas James. H. Stoddart was so cut about the head line he is not expected to survive, and several others are much injured.

Permberson.—J. Sharples was killed at the Winstanley Collierty by a fall of roof.

Roseley Regis.—Anthony Harrison was crushed to death by from 50 to 60 tons of coal addenly falling, without the sightest warning, at the Black Wargon Pit, the property of the British from Company. Another man isso cut and bruissed, that he is not expected to survive; and a horse was also crushed to death.

Helsenburgies.—B. Shanersley was killed by a piece of coal failing from a loaded skip down the shaft belonging to the Arley Company, 137 yds., and striking him on the head Dudley.—W. Davies was killed by a fall of coal at Tividale Colliery.

Was Broomeich.—W. Harris was killed at the Lodge Colliery by a fall of roof.

West Bronnsich.-W. Harris was killed at the Lodge Colliery by a fall of roof.

Mining Correspondence.

BRITISH MINES.

ALFRED CONSOLS.—The lode in Field's engine shaft, sinking under the 90 fm. level, is much as reported last. The lode in the 90 east is 6 ft. wide, worth for copper ore 90, per fm. The lode in No. 3 winze, sinking under the 80 east, is worth for copper ore 70, per fm. The lode in the 90, west of Wyld's shaft, is 3 ft. wide, worth for copper ore 40, per fm., with the appearance of still improving. No change to notice in the cross-cut south of this shaft, in the 80, since the last report; neither in the 60, west of the engine-shaft. Our tribute department looks well.

sopper ore 40t. per fm., with the appearance of still improving. No change to notice in the cross-cut south of this shaft, in the 80, since the last report; neither in the 60, west of the engine-shaft. Our tribute department looks well.

BAT HOLES.—The lode in the 60 fm. level, driving south, is 4 feat wide, yielding work of a coarse quality; in the same level driving north, the lode is still small and unproductive; but, judging from the bottom of the level above, we expect a change for the better to take place shortly. In the 48 fm. level, driving north, the lode is 4 ft. wide, yielding about it 5 cwts. of lead ore per fathom—a promising end. The lode in the winze staking below the 40 fm. level uorth is 4 feet wide, spotted with lead ore—saving work. We have about 6 fathoms to sink at this point, when a communication will take place between this and the 48 fm. level north, whereby it will lay open a piece of ground in the back of the 48 fm. level north of our present workings, about 20 fms. in length, that will set at a moderate tribute. Our sampling for January will be somewhere about 50 tons, unless the severity of the weather prevents our washing in time for the cost-sheets; and according to the number of tributers who took here on Saturday last (it being our setting 483), we look forward to an increase for February.

BODMIN WHEAL MARY CONSOLS.—The sinking in the shaft is progressing favourably. Should it be the intention of the company to drive the 50 fathom level west, under the old workings, it would be advisable to drive a 40 fm. level in that direction also—at least, as far as the new shaft—and ventilate the 50 by a winze from the 40. Should this be decided upon, the sooner we drive north the better. There has been no lode taken down in the 40 since last report. The lode is not yet cut in the 30 south; the killas is very good, and the end very wet. We have two men west on No. 6 in the 30 fm. level; the lode is improved for ore since last report. There is no material alteration in the pitches.

BOLENOWE

BOLENOWE.—The engine-shaft is progressing satisfactorily, lode 2 ft. wide BOLENOWE.—The engine-shaft is progressing satisfactorily, lode 2 ft. wide. BRYN-ARIAN.—I do not see any particular alteration as yet in the 30 fm-level, although within the last few days we have had more water coming out of the ground than we have seen before since the end commenced driving. The winze sinking ander the 20 fathon level is yielding 14 tons of ore per fathom; we have suspended the working of the stope in the back of this level, in consequence of the winze sinking just under; the lode in this level driving west is large, and spotted with lead ore. The wood lode east of the old workings is small and unproductive. The lode in Hallett's shaft is 5 ft. wide, with some small branches of lead ore. The stope in the back of the 20 fm. level north is yielding 16 exts. of ore per fm. Jeseph's lode, in the deep adit level, driving south from the side of the hill is 5 ft. wide, with a strong mixture of ore throughout.

BUTTERDON.—The aide lift was set to work and the engine driven as fast as possible, delivering 500 gallons per minute; still the water continued to rise—there-

as possible, delivering 500 gallons per minute; still the water continued to rise—there-fore, we have thought it advisable to suspend operations for the present. This is very unfortunate, when only a few days more would have laid open the lode to the 50: still there is no help for it at present.

unfortunate, when only a few days more would have laid open the lode to the 50: still there is no help for it at present.

CALLINGTON,—At the south mine, the 125 fm, level is driving south, by six men, on the lead lode; the lode in this end is 8 in, wide, and will produce 6 evts, of lead per fm; the lode in the north end, in this level, going towards count-house shaft, is driving by six men; the lode in this end is 4 is in, wide, saving work. The rise over this end is up 8 fms.; no lode has been taken down in this rise since commenced; we are pushing en this as fast as possible, to hole to the 112, to ventitate the 136 north. The 112 south is driving by four men; no lode taken down in this rise since commenced; we are pushing en this as fast as possible, to hole to the 112, to ventitate the 136 north. The 112 south is driving by four men; no lode taken down in this rise since commenced; we are pushing en this as fast as possible, to hole to the 112, to ventitate the 136 north. The 112 south is driving by four men; no lode taken down in the saving when faken down it was 18 in, wide, saving work. We have also set the 100 south to drive by six, men; this is from 20 to 30 fms. behind the 112 fm level. We have two pilehes working in the back of the 112, south of the 100 end, which makes the driving of the 100 end very important for ventilation, as we have such a length of ground south of our present working on the lead lode, and in such a beautiful blue clay-shate stratum, which is congenial for lead. We should recommend the extending of that part of the mine south with all possible speed. At Kelly Bary, in the 70, we have put aix man to drive-east; the lode is 23 ft. wide, good saving work. The stope in the back of the 610 fm. level, is not taken down as yet; this will serve for the 70 back stope to take away. We have put the shaftmen to rise in the back of the 66 in the back of the 100 due, to get in contact with the engine-shaft near to the 50 fm. level. We shall have to make a new engine-shaft very near the 50,

CARTHEW CONSOLS.—Up to this date (Jan. 31), I find no alteration has taken place of importance in any part of this mine. The ground in the north end, in the 95 im. level, still continues hard, and has been set to-day at 6f. per fin. –a price that we have never before given here for such work; the lode produces some good stones of copper. The south ends are now as noticed in my communication of Monday hast, and I would strenuously urge on the committee that there would be a very great probability of obtaining good results by adhering to the proposition therein haid down, especially by driving on the adit level; likewise, in addition to sinking the new shaft, the whole operations might then be carried on at a very low figure, and at the same time, in my opinion, a much greater object would be attained, and at one-half the expense of the present mode of working. The tribute pitches are not showing as well as they have been in times past. CEFN CAM SLATE QUARRY.—We continue on the driving in No. 4, but the late weather has been very unfavourable for our workings. There is no change to notice in the ground at the burguin north of No. 4 workings—the rock is at present turning out good slates.

CEFN GWYN.—The plat in the 10 fm level will be convenient.

turning out good slates.

CEFN GWYN.—The plat in the 10 fm. level will be completed by the end of this week. The lode is 9 ft. wide, two of which a good mixture of ore, yielding at present 15 cwts. of ore per fm. We shall have to continue the driving of this level cast for 2 or 3 fms. previous to our resuming the sinking of the engine shaft.

CHARLESTOWN UNITED.—We have a decided improvement in the lode

CHARLESTOWN UNITED.—We have a decided improvement in the lode which we are cross-cutting south of the gossam, west of No. I cross cut, and during the week we have been breaking some splendid work from this place. This cross-cut has been driven into the lode about 11 feet, and no appearance yet of the south wall. This lode we consider to be Buckler's main lode, and the one we have been working on, on the noriti of gossam, is Buckler's north lode. We have also commenced driving our No. 2 cross-cut to intersect the south lode at this point (which is about 35 fms. cast of the place we are now cross-cutting in the lode), which we shall prove shortly. We are still raising excellent work from the back between No. 1 and No. 2 cross-cuts, on the north lode. The other parts of the mine are much the same as last reported. We did intend going to the smelting house yesterday (Jan. 39) with th, but in consequence of the roughness of the weather, and our dressing. We shall now carry the tin to market on Friday next, which will be about 8 tons.

COED MAWR. POOL (Trany). Since you lost recent the No. 2 of the surface of the weather.

which will be about 8 tons.

COED MAWR POOL (LEAD).—Since my last report, the No. 3 lode has been intersected by the cross level from the 15 fm. No. 1 shaft. The promising appearance of this lode will be seen by my having let two bargains to drive east and west on this lode at 24, per fathom, and 38s, per ton on all lead raised. I am daily expecting to intersect No. 2 lode, lying south of No. 3 lode, from the same cross level. On No. 1 lode, 17 yards south of No. 2, is Jonea's sink, which will be 16 fms. deep by the end of February. Notwithstanding some interruptions in January, caused by putting down a lift of pumps, about 11 tons of ore were raised; and this month 1 hope to raise 20 tons from this spot alone. I shall shortly continue the cross-level further north to intersect No. 4 and No. 5 lodes. The whole five lodes lie within a width of 47 yards; and when these are in full work, I have the fullest confidence that our mouthly returns by the No. 1 shaft alone will be full 100 tons. From the No. 2 shaft, which is sunk 15 fms. deep, in the western end of the sett, I am driving a level north to intersect No. 4 lode, which at this point runs under the lake. I have 20 yards more to drive, when Eshall be under the surface workings, from which so much ore has been raised. On reaching this lode, it is my interior to drive west and also cast, to meet the levels on the same lode, now in course of driving west from the No. 1 shaft. I shall also continue our north level so as to intersect with all speed the remaining four lodes. These operations complete, I shall have created with all speed the remaining four lodes. These operations complete, I shall have created with all speed the remaining four lodes. These operations complete, I shall have created with all speed the remaining four lodes. These operations complete, I shall have created with all speed the remaining four lodes. These operations complete, I shall have created and the lode of the same lode, one of first, 4 ft. 6 in., the 24 wast we have not yet got COED MAWR POOL (LEAD).—Since my last report, the No. 3 lode has my last report, the No. 3 lode has my interpreted by the cream level from the 15 fm. No. 1 shaft. The promising appear-

most satisfactorily. I have advice that the last shipment of lead (31 tons 13 cwts.) was sold at Holywell on the list January, at 104. 10s, per ton.

CUBERT SILVER-LEAD.—The engine-shaft is down 6 fms. 4 ft. 6 in., ground easier for sinking, good looking for lead. In the 35 west we have not yet got into the main part of the lode; it spreads as it goes west, and proves to be a little further south than we anticipated. The 35 cast is passing through a good banch of lead, ground much better for driving; the same level west from this point is yielding some good work for lead. In the 25 wast the rise is holed, and the men are clearing their stuff to resume driving the end, where there is a branch of lead. In the winze in the bottom of the 25 cast the men are breaking some good work for lead. Henry's shaft, sinking below the 25 is disordered. In the 15 cast the other part of the fode is coming in the end, a large promising lode, with good stones of lead; this send holds forth-great promise. The tribute pitches throughout are producing a fair quantity of work for lead. As the weather has been against the dressing, I have given notice to sample 30 tons of lead on Friday next.

CWMYSTWITH.—The new discovery of ore-continues good; about 5 fms. has been opened apon it, and has produced 15 tons of ore, and it looks well all round. A day level will be commenced, which will give a back of 6 fathoms on this lode. It will have to be driven 50 fms. before reaching the north lode, but will interest two other lodes in its course. Pengellan tode is looking rather better than it was, there being a little or en in the ends. In other places no alteration. On the 2d instant 50 tons of or were sampled.

CYFANNEDD FAWR.—We are continuing on with the driving in adit, and have come to a change of ground, but have still some 3 or 4 fathoms to drive before

DE VON AND COURTENAY.—Since my last report we have broken some good stones of ore in the 50 end, and the tode is large and well-defined. The 70 end west is looking better—a kindly lode, especially towards the bottom of the end, from which I have this morning broken some good stones of ore. There is a farther improvement in the 70 east; the lode will produce 2 tons of copper ore per fathom. There is no change to notice in any other part of the mine.

change to notice in any other part of the mine.

DOLFRWYNOG.—At Williams's, the engine-shaft, the water has much increased since my last; this is partly caused by the late heavy Soods, also to our having cut a leader of the lode, bearing towards the great gossan fode, and carrying copper, jeck, sulphur, and burytes all through. We expect to complete the 15 fms. the course of this week, when we shall at once put the pump down. In our driving on the Boy lode the ground continues very kind and promising, with copper intermized all through. EAST CROWNDALE.—The 68 fm, level has been through the cross-course into the western heave of the lode; and we are sorry to inform you that the lode on both sides of the cross-course is very poor. The only build of over have seen on this lode in driving as mady failnoms, is but about 2 fms. long, and, by stoping, it does not appear to hold either up or down. Our only chance is to drive west on the south lode, and north on the cross-course, to cut the north lode, which will threw some light on the prespects of the mine, which at present are anything but oncouraging. The rise in the back of

the 58, on the north lode, is not yet holed to the 47, consequently we could not set at tribute in the back of this level; but we have set one pitch in the back of the 47 to be men, at 19s. In 17.

the 58, on the north lode, is not yet holed to the 47, consequently we could not set a tribute in the back of this level; but we have set one pitch in the back of the 47 to the test, at 18s. In 11.

EAST SETON AND WHEAL MAUD.—The 10 fathom level is extended 25 fathoms east of the engine-shaft, generally through a kindly lode; we have had a ground for the last 12 fms., the last 6 fms. producing 2 tons of good ore per fathom. To present end continues equally good. The 20 fm. level is extended 39 fms. cast through bunches of ore; the end has of late been poor, but is now 16 in. wide, with stones of on and we expect shortly to meet with the same run of ore as we have in the level about 7 lie of and 20 fm. levels have been extended west about 20 fms. each, and have productore, but have of late been poor, and are now suspended. The engine-shaft is say 22 fms. under the adit; the lode is 2ft. wide, kindly, with stones of ore—we intend driving east and west in this level. We are also driving the adit north of the western shaft which is 102 fathoms west of the engine-shaft, to intersect some north lodes. We so 20 tons or upwards of better quality.

EAST WHEAL GEORGE.—We have set to-day as follows—a cross-cu to drive south in the 21 fm, level, to intersect the lode, to divide and put in footway in the shaft, and also to send down a 6-linch lift, at 16t, the bargain. I calculate we have 2 fms. to drive to cut the lode. If nothing occurs to prevent the men from working; expect it will be intersected within three weeks from this time. I have lot a pitch his the back of the 12, west of shaft, to two men, at 16s. in 15s, and also a pitch to the east of the shaft, to two men, at 16s. in 15s, and also a pitch to the east of the shaft, to two men, at 16s. in 11s, and also a pitch to the east of the shaft, to two men, at 16s. in 11s, and also a pitch to the east of the shaft, to two men, at 16s. in 11s, and also a pitch to the east of the shaft, to two men, at 16s. in 11s, and also a pitch to the east of the shaft, to two men, at

promising lode, but not rich yet. The operations altogether on this mine are progressing satisfactority.

EAST WHEAL RUSSELL.—We have sunk Hitchina's shaft, since the lat Jan., 7 fms. 2 ft.; the lode is just the same as in my last report, altogether splended. We have driven the cross-cut sout in the tunnel level 6 fms. 2 ft. from the north wall; the present end is looking much impregnated with ore, and plenty of mandle. I am expecting a great change every core the men work. I have had a sample of the stuff assayed from the rise in the tunnel level by Mr. Harvey, of Tavistock; it will not produce more than 10s. per ton. I have stopped the rise antil further orders.

ESGAIR LLEE—We have set the 10 fm. level, east of cross cut, on the middle lode, to six men, 8 fathoms, at 41. per fathom—drove last month on the cross-cut 7 fms. 3 in.; and cast on the lode if m. 4 ft.—lode 3 ft. wide, with a promising appearance, and for 6 in. wide saving work; the intersecting this lode has so much increased the water as to make it necessary at once to sink the shaft 4 or 5 fact for bearers and cisterns, to put down a larger lift, which we have on the mine. The 10 fathom level, east of engine shaft, on south lode, to four men, 6 ms., at 41. 15s, per fm.: this level is communicated with the winze from the deep adit—the lode standing for 2 fms. behind the end and for 9 feet high in the winze, which we shall begin to take down at once, and from its appearance in the winze and level is likely to turn out well. The deep edit, east of Jones's winze, on the caunter lode, was driven last month 7 fms. 2 ft. 8 in.—lode disordered by a cross-branch, producing stones of ore, but not sufficient to set a value on; the additional length of ore ground in this level is a bout 11 fathoms.

GREAT POLGGOTH—The lode in the 96, east of Clarke's, is large, and

the additional length of ore ground in this level is about 11 fathoms.

GREAT POLGOOTH.—The lode in the 96, east of Clarke's, is large, and producing good tinstuff. The cross-ents in the 96 and 84 fm. levels north are progressing, and the ground is easier than it has been. The middle lode in the 84, east of Clarke's, is poor; the south lode, driving west in the 84, east of Williams's, is worth-about 16 cwts. of this per 100 sacks. The lode in the 184, east of Williams's, is worth-about 16 cwts. of the per 100 sacks. The lode in the winze under the 16 was rich until heaved by the civan course. We are now sinking through the civan, and expect to meet with the lode again shortly. We have suspended the 66 east to sink a winze to the 76, for the purposes of opening tribute ground and for ventilation. The lode in the 20 m. level west, at Sawden's, is worth 20 cwts. of tin per 100 sacks. The lode in the 20 m. level west, at Sawden's, is worth 2 cwts. of tin per 100 sacks. The lode in the 20 m. level west, at Sawden's, is worth 2 cwts. of tin per 100 sacks, and the pitches generally are loaking favourable. Since our last report, we have sold two parcels of tin—in value about 12251.

GREAT WHEAL RADDEERN — The 50 ceast from Buckley's is unprocess.

GREAT WHEAL BADDERN.—The 50, east from Buckley's, is unpro-uctive—ground hard for driving. The 40 is improving in size, with spots of lead and mandle. There is a good branch of lead in the 30, east of Burgan's, and a large lode ast from Kenworthy's, with a small portion of tin. We have began to sink a shaft on the ill on the tin lode, where the ground is favourable. The stopes and tribute pitches and the cooking pretty well.

enerally are looking pretty well.

HENNOCK.—The engine-shaft is sunk 5 fms, 2 ft. under the 30 fm. level—
round still favourable for sinking; the 30 fm. level north is driven 2 fathoms on the
surse of the western lode; the lode averages about 5 ft. wide, not producing as much
alem as when last reported, but more carbonate of lead, mixed with a beautiful gossan,
of quartz, &c.; altogether the end is showing a first-rate appearance; the 30 fm. level
utilis driven about 4 fms. from the engine-shaft, the lode producing more lead than I
ave seen hitherto to the south of the shaft.

AVE seen hitherto to the south of the shaft.

HERODSFOOT.—The stopes in the 127 south are looking well. The piece of ground driven upon close to the end, which I apprised you of our setting the men to the down, is turning out very well, and yielding 15 cwts, of ore per fm. There is no det taken down in the 32 cand south since I saw you; is still presents a fivourable apearance, as far as may be judged from the wall, which indicates a hard and strong lode, here is no alteration in any other part of the mine.

HINGSTON DOWN CONSOLS.—The lode in the 55 fm. level, east and east of victor's winse, is improved, being on an average worth 3 tons of one per fathem:

HINGSTON DOWN CONSOLS.—The lode in the 55 fm. level, east and west of Victor's winse, is improved, being on an average worth 3 tons of ore per fathom; west of Doilgés winse 4 tons per fathom; the lode east of said winze is more promsing, though poor. The lode in the winze sinking below the 45 is large, and orey throughout, but in consequence of increased water is suspended. The new shaft (Morris's) Progresses satisfactorily. The rise in the back of the 35, towards the said shaft, progresses satisfactorily. The rise in the back of the 35, towards the said shaft, progresses satisfactorily. The producing 3 to 10 tons, of good quality.

HOLMBUSH.—The ground in both engine-shafts (Hitchins's and Wall's) is still very favourable. The lode in the diagonal shaft, slaking below the 132 fm. level, is 141 in. wide, producing 3 tons of copper ore per fathom, with favourable ground for sinking through, which is a very important point; the lode in the 132, east of the last-mentioned shaft, is split into three branches, and from their direction will shortly form a function—suy, within 2 fms.—when no doubt, from what we have experienced before, a great improvement will be found. At present, these branches will produce 14 ton of ore per fm. The stopes in the bottom of this level will produce 34 tons of ore per fathom; the lode in the 132, onth and south, is 6 ft. wide, composed of quarts, prina, and stones of lead. The flap-jack lode in the 120 fm. level, east of the great cross-course, will produce 4 tons of ore per fm. In the back of the level, but only 2 tons of ore in the bottom; the lode being smaller, which is nothing new, such changes have ever been found in mineral lodes or veins. The lode in the 106 the in the 106 in the 100 fm. level, west of Wall's shaft, will produce 14 ton of ore per fm. The lode in the 106 in the 106 in the 106 fm. level, ones of west of Wall's shaft, will produce 14 ton of ore per fm. The tole in the 106 in th

copper ore, by computation.

KINGSETT AND BEDFORD.—The ground in our cross-cut is very hard:
from 21 to 3 ft. wide per week is as much as six mon can lay open. I fully calculated on
having better ground long before this, but our progress being limited to a few feet per
month, accounts for our not getting through it as soon as we had at first anticipated.
Price per fm. 131.

KIRKCUDBRIGHTSHIRF.—The 86, west of Stewart's, is a large sparry lode, with spots of ore: the north part of the lode on which we are driving in the cast and west of Glipin's, hes spots of ore in the spar. The 74 east has a small by of ore coming in again. The 74 and 52 west are as last reported. We have shippe another eargo of lead (45 toms) to the Dee this week.

another eargo of lead (45 toms) to the Dec this week.

LAMHEROOE WHEAL MARIA.—Jessie's shaft is being sunk II fathoms 4ft. below the 14 fm. level, which leaves us 4 fms. 2 ft. more to sink to reach the 80 fm. level under adit; the killas in the shaft is harder, therefore more sparcy for sinking-ground sunk has month 2 fms. 2 ft. There is no alteration in the ground in the 60 cross-cut north; we have driven all the ground to reach the champion lede, allowing it to underlay 3 ft. in a fathom, and if it underlays 3 ft. 6 in. in a fathom, we have 5 fathoms further to drive to earl it, but we shall be expecting to bring it to view every day. Our dresser did not make so much it in marketable as he enticipated, but it must be attributed to the flues being so full of arsonic; he could not make int progress in burning the tim which hie would had the flues been cleared out. However, Mr. Jennings's agent has made arrangement with me to take it out; we had packed 50 easks hast Saturday, the remainder he has ordered to be put into a house until he removes it, which we shall do nox fasturday, the 7th inst. Doubtless our purser has sent you the particulars of the tin sold last week.

LYDFORD CONSOLS.—We have forked the water and cleared the rubbish 8) fms. below the 80 fm. level, and hope by this day week to reach the 60 fathom level, where we expect to meet with some good ore ground. We continue to save some good work from the rubbish in clearing the shaft. We have completed the balance bob and attached the wheel, which answers well all the purposes for which it was intended. At Wheal Mary, in shoding we have m:t with a lode if ft. wide, of a kindly nature, being composed of gussan, flookan, &c., exactly similar to the western lode at Wheal Adventure, a continuation of which we suppose it to be. We shall now extend the lode further east, for interaction of the eastern Wheal Adventure lode; as also the Wheal Mary north and south lode.

and south fode.

MERLLYN.—At the engine-shaft the plunger-lift has been fixed, and we are now making preparations for sinking. The 26 fm. level is looking more promising and producing a small quantity of lead. The lode in the 16 fm. level is 3 ff. wide, and has now a leader of lead, worth 56, per fm., and his the appearance of the top of a bunch of lead; the stopes in the back of the 16 fm. level are worth 25 f. per fm. The back of the 26 fm. level, east of engine shaft, is worth 60 f. per fm. By stopping the engine to change the pitwork the water has got into the shaft on the old lode, consequently nothing has been done their this past week; we are now clearing the 20 west on the old lode.

one there it is past week; we are now clearing the 20 west on the old lode.

MOLLAND,—The lode in the 42; east of shaft, is about 25 feet wide, with stones of ore, and ground improved for driving; the lode in the 42 west is about 2 feet wide, with spots of ore. The lode in the bisck of the 30, east of shaft, has a good stone of ore, but not so much as last reported; the winze sinking under this level is rather improved; the lode is from 2 to 3 ft. wide, with good spots of ore; the lode in this west end, in the same level, is rather disordered by a cross branch, and the ground improved.

NORTH BASSET.—The lode in the new shaft is about 3 ft, wide, a good lode of yellow ore. The lode in the 52 is 4 ft. wide, and will produce 2 tons of ore pen fations. The lode in the wisze sinking below the 72 is 3 ft. wide, a good lode of yellow ore. The lode in the 72 fm. level is 2 ft. wide, spar, and stones of grey ore. The lode is 62, west of Miner's shaft, is 3 ft. wide, a good course of yellow ore: the lode in the same level, east of Miner's shaft, is 4 ft. wide, spar, and stones of yellow ore:

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NORTH BULLER.—The engine-shaft is sunk 4 fms. below the 40 fathom level-set to sine men. I fathom, at 30f, per fathom. We have driven the 40 cross-cut south this month 3 fms.—set to six men 2 fms., at 6f, 10s, per fathom. United by the fathom is the 40 west the lode is 4f. wide, a promising appearance—set 20 fms., at 4l. per fathom. We are not cuploying as many surface-labourers as we were. We have sampled 22 tons of ore, which will be sold at the next ticketing.

NORTH DOWNS.—Christog lode, in the 80, east of west shaft, is 20 inches wide, with stones of ore; the 7b, east of John Michael's, is driving north to prove the lode. NORTH ROBERT.—We have dialled and levelled our adit, and find that our engine-shaft is sufficiently deep to fork, and on Monday (3d instant) we shall commence cutting a plat. The despin of our cross-cut from the brace will be 36 fms. 3 ft. 6i made-inguit to enable the lode about 5 fms., which I hope will be completed in about seven weeks; and we find that, by laying down our dialling on paper, it will be more advantageous to remove the men from the cross-course, and put them to continue driving on the branch that has gone off north from the main lode, where we shall intersect the caunter lode in a much shorter distance, and at a greater depth. Our drawing machine is nearly completed, and will be put to work on or about the 18th instant.

— Feb. 5.—In our addit level there is little or no alteration shee my last report, We commenced on Monday to cut plat; and we calculate we have about 5 fms. to drive to the lode. We set to nine men the plat and cross-court, which will be about 2 solid-fathions, of ground, at 5d, per fm.—the takers to provide men to fill, land, and drive, to draw all their stuff with the drawing-machine. I have removed the men from the cross-courts, to drive to the lode with the court plat; and we calculate we have about 5 fms. to drive to the lode where the plate of the branch this morning, and shall set them to drive as soon as they have taken down a piece of the branch.

the lode. We set to nine men the plat and cross-cut, which will be about 9 solid-fathoms of ground, at 50, per fim.—the takers to previde aneu to fill, land, and drive, to draw all their staff with the drawing-machine. I have removed the men from the cross-course, to drive on the north branch this morning, and shall set them to drive as soon as they have taken down a piece of the branch.

PENTIRE GLAZE AND PENTIRE UNITED.—The 34 fathom level is driven 34 frams north of the engine-shaft. We have not let down any water yet; as soon as we do so we intend to commence sinking boundary shaft to hele to the above level, we shall then crass-cut wast to intersect the lode. The lode in the 22 fm. level north, soon after last setting, was greatly disordered for some dispending soon after has setting, was greatly disordered for some dispending soon specimens of the company of the company of the setting of the company of

menis. One of the waggons is brought to the mine, and time cours is expected with the dressing machine, that the 14th inst. is the day fixed for setting it to wisk. We shall them be getting on well, and what we call in full course of working. Our measure additionating the Frincess Royal cold, and getting on well. All our operations are roggered as easily and the setting it to measure the property of the propert

fait as possible.—HENRY WILLIAMS.

TRELAWNY.—Trelawny shaft is sunk 11 fms. 4 ft. below the :107 fathom level. The increase of water has prevented our making greater progress. In the :107 fathom level, north end, the lode is 4 ft. wide, worth 10, per fm.; in the south end it is 3 ft. wide, worth 50, per fm.; in the south end, it is 3 ft. wide, with 12 per fm. In the 82 fm. level, north end, the lode is 2 ft. wide, worth 12 per fm. At the north mine, in the 82 fm. level north end, the lode is 2 ft. wide, with some ore in it. In the 68 end, north of ditte, we are still cross-cutting the capels, and expect to cut the croy part of the lode soun. In the 68 cm, and the form of the first shaft, the lode is 2 ft. wide, with 12 per fm.; in the morth end in this level, the lode is 2 ft cet wide, worth 10, per fm. There is no situation in the 53 cm north. The stopes and pitches are locking fair. We shipped on Saturday last the parcel of ores said to Messra, Walker, Parker, and Co., 29rn Dec. hist; it weighed 57 tons 7 cwts. 2 qrs. After the end of this week we shall be obliged to stop it weights, require and the purpose of fixing dis pitwork for the new angine, which will, pro-

TRELEIGH CONSOLS.—In the 100 fm, level, west of Garden's shaft, the lode is 18 in. wide, with stones of ore, and looking more kindly. In the stopes above the 90, west of Woolsock's rise, the lode is 24 ft. wide, worth 301, per fm.; ditto, east, auspended for the present; these men are rising above the 90 to hole to a winze from the 80. Woolcock's rise, above the 90, west of Terrill's winze, is newly set, as above stated. In the stopes above the 90, west of Terrill's winze, is newly set, as above stated. In the stopes above the 90, west of Terrill's winze, is newly set, as above stated. In the stopes above the 90, west of Arthur's winze. the lode is 3 ft. wide, worth 221, per fm. In the 90, east of Christoe shaft, the lode is 20 in. wide, worth 101, per fm., and a very kindly level.—Parent Lode: The 64 cross-cut, north of Parent shaft, is driving north to cut Parent lode; ditto, south, we have cut the middle lode, 1 ft. wide, with stones of ore, and have set 6 ft. east and west to drive on it.

TRELOWETH.—We have opened east on the north part of the lode in the 55, about 12 ft., where there the lode is still approductive. The 55 west is driven 9 feet, lode principally capels. The 45 west is not looking so well as when I last wrote; there is no alteration in the lode in this level.

TRETHEYY.—The lode in the 40 fm. level east is very promising—rich stones of ore. Should any further improvement take place, you shall be immediately advised of it. There is nothing new in any other part of the mine.

TREVILLE.—I have just come up from underground. I have measured the driving south, and cross-cuts in the 22 fm. level, and find there has been driven in the past week 3 fm.s. 5 ft. 6 in.; of which is 1 fm. 5 ft. 6 in. is west, and 2 fms. on the course of the main, but on the foot wall. I have now six men driving west at 23s, per fathous of the main, but on the foot wall. I have now six men driving west at 23s, per fathous of the main lode. Which is looking more promising than I have seen it before for many fms. The cross

When we have had a fortugat of dry weather 1 managers begin to terk the water to say 2 fm. level. Our machinery and pitwork in good order.—P.S. So soon as the main lode is cut through, the men engaged there will go on as before, driving south on the foot wall of the main lode.

UNITY CONSOLS.—At Gray's engine-shaft, in the 70 fm. level, east and west, the lode continues from 5 to 6 ft. wide, producing saving work for tin, with some stones of copper ore. The men have been very much checked in their operations in this level by the quantity of water, caused by the continual rains we have had during the last three or four weeks. In the 60 fm. level east the lode in the end is 18 in, wide, worth 57. per fm. for tin. This end is stopped for the present for want of air, the men are put to rise in the back, and when they hole to the 5 good air may be expected in this end. The lode in this rise is 2 ft. wide, worth 67, per fm. for tin; taken on Saturday, the 31st 1 Jan., 6 fms. stent, or the month, at 18s. per fm. In the rise in the 60 west the lode is 2 ft. wide, producing swing work for tin; taken 5 ms. stent, or the month, at 25s. per fm. In the 40 fm. level, east of Buckley's shaft, the lode in the end is 18 in. wide, worth 44. per fm. for tin; set 10 fms. stent, or the month, at 18s. per fm. In the 40 fm. level, cast of Buckley's shaft, the lode in the end is 18 in. wide, worth 44. per fm. for tin; set 10 fms. stent, or the month, at 18s. per fm. In the 40 fm. level, cast of Buckley's shaft, the lode is 1 ft. wide, but at present unproductive; set 10 fms. stent, or the month, at 18s. per fm. In the 20 fm. level was the lode is 1 ft. wide, but at present unproductive; set 10 fms. stent, or the month, at 20s. per fm. In the core. The month, at 18s. per fm. In the 50 fm. level was the lode is 1 ft. wide, but at present unproductive; set 10 fms. stent, or the month, at 18s. per fm. At Lambo, at Kenworthy's engine shaft, in the cross-cut south in the 40 fm. level, the ground is still good for driving; taken on Saturday,

MEST CALLINGTON.—We expect by Saturday next (to-day), which is our setting day, that the engine-shaft at the old mine will be down 9 fms. below the 20. Iam happy to say the ground is becoming more favourable for sinking. At the new mine, the ground in the engine-shaft actine shaft; we do not expect any material change until we get through the elvan, which we hope shortly to accomplish; after this we may look to have the lode in the shaft, but not before. We are still driving east of the cross course—the lode continues from 3 to 4 ft. wide, principally capel and mundle, with spots of lead occasionally; in going east we are getting into a very stiff hill.

WEST GOGINAN.—The ground in the 30 fm. level, driving south from engine-shaft, is more favourable than when last reported, and letting go more water; therefore we expect shortly to cut the lode. The lode in the deep adit level, east of the old shaft, is 4 ft. wide, composed principally of a clay-slate, with a mixture of gossan, Jack, and lead ore.

old shaft, is 4 ft. wide, composed principally of a clay-slate, with a mixture of gossan, jack, and lead ore.

WEST NANTYMWYN.—This mine is to the west of, and adjoining the Old Nantymwyn, which has been working for a number of years with success, and as all the lodes are ranning through this sett and under a mountain, it is generally considered a very promising apeculation. There is a cross-cut, driving under one of the mountains in about 40 fms., taken up from the side of the Fowey river, and is now to be turned in the direction to intersect all the lodes from the old mine, after which it is shortly expected to mest with some productive veins, as there is now to be seen a large lode from 5 to 6 ft. wide on the top of the mountain on the opposite side of the present level, with penty of fine gossan and spar, with every other indication of making a productive lode in depth, which said lovel will come in 60 fms. below it. There is another level just started at the foot of another mountain further south, where it is expected to intersect in a few fathoms driving a rich and valuable lode or lodes, as there is a stready to be seen plenty of sulphur and other indications of nearing the vein or veins, and several branches or lodes are running under this mountain also from the Oll. Nantymwyn Mine. Considering the great advantage of working the mine by day levels, and the great saving in expense of erecting water-wheels or other engines for pumping out the water, &c., such a speculation is rarely to be met with, and I have no hesitation in pronouncing it equal to any in the locality.

is rarely to be met with, and I have no hesitation in pronouncing it equal to any in the locality.

WEST WHEAL ROSE.—We are enabled to mas ter the water very well up to this time in sinking the winze, and hope to do so some fathoms deeper. I am happy to inform you, the directors and shareholders generally, that we have not been deceived with regard to the bunch of lead going down in the bottom of the level. The winze, though only only a few feet deep, has yielded some cwts. of lead ores; some of the specimens will welgh not much less than \$\frac{1}{2}\$ ewt., solid lead. Our prospects are most encouraging, and by continuing to prosecute the mine in depth, there is little doubt of meeting with sufficient mineral wealth to equal our most sanguine expectations.

WEST WHEAL RUSSELL.—On Friday last we let the 60 fathom level to drive west from the cross-course to six men; the lode is 4ft. wide, producing stones of ore. In the 3f fm. level, driving west from engine-shaft, the lode appears to be undergoing some change for the better; at present composed of greens, spar, and portions of copper ore. In the adit level, driving west from Bayly's shaft, the lode is at present cut off by a small cross-course moving it ont of its course. We are now driving north with the view of cutting it on the opposite side, which we calculate cannot be heaved to any great distance. Bayly's shaft is aspended for the present, in consequence of the water becoming too powerful. owing to the late floods, which has also prevented our applying the necessary work for carrying the rods from the engine wheel across the Tamar river, but this we hope to complete on the first day or two of dry weather.

WHEAL ANNA CONSOLS.—The ground in the cross-cut is easier, and as we approach the lode will be much more so. The resignation of Mr. Taylor's with the duchey will impede our settlement with the old stamps, but we are using every effort to effect it as early as possible.

iffect it as early as possible.

WHEAL CHIVERTON.—The engine-shaft is sunk to the 20, and we are triving the 20 east and west on the copper lode, to intersect the north and south its odes, which we expect to accomplish in a fortnight. The copper lode in this level looks nore promising than it did in the 10 fm. level. We have driven west on the north it in de 25 fms. lode averaging 4 ft. wide, worth 101, per fm. The stopes in the back of the 0 fathom level continue to look very well. In the 10, driven west on south lode about 0 fms. lode at present 6 ft. wide, munic and tinstuff of low value, since improved. We xpect increased returns when the lodes are cut in the 20 fm. level. At present we are aising enough tin by eight men to pay the cost of the mine, and could increase the quantity considerably; and provided the 20 looks as good as the 10 fm. level, we shall erect a team stamps without much delay. We purpose sinking below the 20 in a few days.

WHEAL CREBOR.—Our lettings, on Saturday last were, as follows:—At

steam stamps without much delay. We purpose sinking below the 20 in a few days,
WHEAL CREBOR.—Our lettings on Saturday last were as follows:—At
the adit, a cross-cut to drive south on the cross-curse, by four men, stom 4.5, those, at
3. 10s. per fm. The end going west is stoped, and a new pitch let to four men, at 6s. 8d.
in 1., for one month. The 12 end west, by six men, at 91, per fm., stent 2 fms.; no lode/taken/down. The 34 driving
west by the shaatmen, at 161, per fm., stent 2 fms. The lode in the 12 end is 5 ft. wide,
orey throughout—axing work. The lode in the new pitch is worth at this time upwards
of 201, per fm.; if the lode continues as it is the pitch and the 12 end will produce upwards
of 202 for fm.; if the lode continues as it is the pitch and the 12 end will produce upwards
of 202 for fm.; if the lode continues as it is the pitch and the 12 end will produce upwards
of 202 for fm.; if the lode continues as it is the pitch and the 12 end will produce upwards
of 202 for fm.; if the lose continues as it is the pitch and the 13 end will be on Friday last,
computed 33 tons of ore. On Feb. 4, I went underground at Gill's, to hole, if possible, a,
niece of ground to cause a current of air, as we have no communication but from one
shaft; the expense of so doing will be but little, and I think it is more than probable it
will strover open tribute ground. Our engine, drawing machine, &c., are all working
exceedingly well.

exceedingly well.

WHEAL FANNY.—Hitchins's engine-shaft is now 12 ms under the adit; the lode is 5 ft. wide, composed of flookan and soft spar of a superior character, with little or no underlay; as soon as we get 2 ms. deeper with our shaft we shall then cut a plat in the lode, when we shall be able to ascertain its correct bearing. I am sorry to say we have been obliged to stop the shaft for a week for want of timber. The old engine-shaft is 9 ms. under the adit, altogether 24 ms. from surface. The shaft being now a little larger, we have set some men to clear-up and-drop the lift 10 ms., at 22. per fathour. The winze sinking below the adit level is 5 ms. deep, producing good stones of lead, but we have been obliged to stop it in consequence of the water being so quick. We have had such heavy falls of rain the last fortnight, that we have been compelled to work our esgine from 7 to 8 strokes per minute to keep the water.

WHEAL GHIT.—Shop my set seems the second of the strokes per minute to keep the water.

from 7 to 8 strokes per infinite to keep the water.

WHEAL GILL,—Since my last report, we have fixed a lift from the 20 to the adir, and set it to work. We have also put down another 16 fms. below that level, making in all 35 fms. below the adir. We shall soon reach the 40, it the shaft is standing good.—The shaft in Meor's field is cleared up about 14 fms. deep, and we hope to reach the 16 this week. I have set a tribute pitch to two men in the back of the 16 fm level, at 13s, 4d, in 14. for copper, and 10s. per ton for jack—the copper and jack to be dressed, and made ready for the market. They would not work it for copper only, without something for awing the jack. The engine continues to work well. All our other work is progressing autisfactorily.

dresses, and make ready out out of the angine continues to work well. An our other work is progressing satisfactorily.

WHEAL HAMLYN.—We have just now got into the south wall of the great cauther idee, where there is as beautiful flookan as can be seen, composed of sugary spar, prian, and a quantity of mundic; this is 20 fms. north of the lime rock, and into a very pretty light killes. From this lode being very large, it may take us two or three

days to sai into the north part of it, that being the part which produces the tin in the incline. Had not one of our men been unable to work this week, we should have driven the control of the provide of the provide

easy nature and congonial character of the strata, and the little cost with which it can now be explored, I cannot but say that I look at Wheal Robins as a first-rate investment.

WHEAL TREMAYNE—In Boundary engine-shaft, sinking under the 83 fm. level, the branches are disordered by floors of spar, and are now worth 261 per fm. In the 83 fm. level, east of Boundary shaft, on the engine lode, we have cross-cut north 2 fms., and intersected Allen's branch, worth 161, per fm. In the 73 fm. level, east of Allen's shaft, on Allen's branch, the branch is worth 181, per fms.; in the same level we have commenced a cross-cut south of shaft, to intersect Wallis's lode; we expect 55 fms. driving will cut the lode. In the wines sinking under the same level, west of shaft, on Allen's branch, the branch is worth 81, per fm. In the 63 fm. level, east of Allen's shaft, on Allen's branch, the branch is worth 161, per fm. in the same level, west of shaft, on the engine lode, the lode is disordered and poor. At Paintier's flat-rod shaft, on the engine lode, the lode is disordered and poor. At Paintier's flat-rod shaft, on the engine lode, the lode is 1 lonches wide, composed of flookan, spar, and mundic, with spots of ore, having a kindly appearance. At Laurier's shaft, on Wallis's lode, in the 40 fm. level east, the lode is 15 in. wide, worth 41, per fm.; in the same level, west of shaft, cross-cutting north to intersect a north lode, there is no change to notice since last report. In the 50 fm. level, east of Alexander's shaft, on the north lode, in the 20 fm level west the lode is 16 in. wide, worth 42, per fm.; in the same level, west of shaft, cross-cutting north to intersect a north lode, there is no change to notice since last report. At Champion's shaft, on the same lode, sinking under the 10 fm. level, the ground is good for sinking. The new engine-shaft on the south lode, and the rise in the back of the 50 fm level against the same shaft, are in clean killing ground, progressing forwardely. The stopes in the bottom of t

and same shaft, are in clean killas ground, progressing favourably. The stopes in the bottom of the 70 fm. level, west of Madron's shaft, on the south lode, are worth 3L, per fathom. WHEAL TREVELYAN.—The 18 end, east of Hare's shaft, is worth 3L, per fm.; the 18 end, west of ongine-shaft, is worth 3L per fm.; the 18 end, west of ongine-shaft, is worth 3L per fm.; the 18 end, west of ongine-shaft, is worth 3L per fm.; the 18 end, west of ongine-shaft, is worth 3L per fm.; the 18 end, west of ongine-shaft, is worth 3L per fm.; the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but a shaft of the 18 end, the lode is large, but the 18 end will relieve thom in a short time; and as we have so much tinstoff now broken for the stamps, I have refused to set any new ground until the stamps go to work.

WHEAL UNY.—On Monday, the 26th January, we reset the 60 cross-cut to drive north of Gooding's shaft by six men and three boys, 3 fms, at 4L 10s. per fm. of the ground proving harder, and having such long extent, we thought it advisable to out of greater force, and give chem more per fathom, with a shorter extent. Our putting in a machine for forcing air in the cross-cut has enabled the mon to continue their work without interraption, and we can assure you they are now working in right good extrees. The shaft end of the double to take down previous to fixing the bob. The men have finished precise ground, which we not black to the 18 end of the lode in the shaft of the lode in the 18 end of the lode in the shaft of drawing from the 20 fm. level.

W

FOREIGN MINES.

LINARES MINES.—The following has been received from Mr. H. Thomas: Linares, Jan. 24.—San Auton winzo, sinking under the 55, is not so productive as it has been; it is worth at present I ton per fm.; the same level, east and west of Shaw's shaft, has not been extended on this week, from our having met with some water, but shaft, has not been extended on this week, from our lawing met with some water, but hope to resume there in the coming week; the stopes in the 35, east of San Annon wines are worth 3 tons of lead per fin. The 55, west of Wilson's shaft, is a little disordered by a cross-head; this end has been driving in productive ground, and will soon be under La Buena Ventra winze, sinking under the 45, in which whize the lode is worth 72 tons per fin. La Esperanza winze, sinking under the 31, in advance of this end, is worth 1 ton per fin. The 45, west of San Juan shaft, is unproductive. The 31, east of Sinaw's shaft, has a small branch of lead, worth rather less than half a ton per fin. we are expecting an limprovement in this end. At Thorne's shaft, the men are still engaged cutting a plat preparatory to further deepening it. The whim in this shaft will be completed and at work in the coming week. At Field's, we are still proceeding with clearing some of the old shallow workings, in order to determine with necuracy the site for the shaft. Our tributer generally are breaking fair quantities of ore. Stock accounts: Lead or weighed in, 34 tons 18 cwts. Itotal in stock, 418 tons 10 cwts. Pig lead sancted, 22 tons 12 cwts.

TRAWSKART SILVER-LEAD MINE.—This mine is situate on the estate of the same name in Brecknockshire, running on the course of five large lodes for half a mile, and was recently held by the Abergwessin Company. The shuft is down 30 fms.; and at that level there is a good lead lode, 12 feet wide, from which returns may be immediately made; and the prospects are stated to be such, as to leave no room for doubt but that it will turn out a productive and profitable mine. It is divided into 3000 shares; 2000 of which are to be disposed of at 1/2 per share, and 1000 free from the 1/2, to be allotted to the old Abergwessia adventurers, who may join this adventure in the propertion of one share free for every three of the 2000 taken and pad for, thus obtaining four shares for 8/2; and it is fully expected such arrangement will provide ample means for working to bring the mine into a paying condition.

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PATENT LAW REFORM-PUBLIC MEETINGS.

PATENT LAW REFORM—PUBLIC MEETINGS.

ionday last, a public meeting of the National Patent Law Amendment
ion was held at the Belle Sauvage Hotel, Ludgate-hill, for the purromoting immediate patent reform.—Ald. Sidner in the chair.—Rewere passed affirming it to be for the public benefit to promote the
and publication of new inventions of utility; that the concession in an
ive and efficient manner of a temporary property, or patent right
is the best method of effecting these objects; and that the Governbound by its own promises to effect such amendments in the law as
wary for these purposes, in so short a time (i e., before the 2d May)
variable by the provisional registrees of new inventions exhibited at sent is bound by its own promises to effect such amendments in the law as re necessary for these purposes, in so short a time ($i \in l$, before the 2d May) is to be available by the provisional registrees of new inventions exhibited at the Great Exhibition.—The resolutions were moved by Mr. G. Shepherd, C.E. in, patent agent, and others.

On Thursday evening, the meeting of the United Inventors' Association was held at the Institution of Civil Engineers, to take measures to secure patent reform without delay,—and, from the influential character of the members present, great good may be expected to result.

EXPERIMENTS FOR PROTECTING IRON VESSELS.—Mr. Clarkson, of Paris, who recently made experiments with a cork and canvass life boat at Woolwich, and afterwards showed that the material would not splinter, even under Mr. Nasmyth's steam-hammer, made a farther experiment a few days ago at Doan and Adams's shooting gallery, to exhibit the advantages of lining iron vessels with cork and canvass, on his plan, by joining the whole together with marine glue. Two plates, each 9 inches square, were prepared, one having a plate of iron an eighth of an inch thick, to which cork and canvass were attached half an inch in thickness, on which the cork and canvass material was attached half an inch thick, and another iron plate placed at the back. The plates were fired at with solid conical bullets, and with Minié's hollow conical balls, from one of Mr. Adams's new patent rifles, at 33 yard's range. The charge for the Minié balls was 1½ drachms of powder to each, and the charge for the conical bullets I drachm of powder to each. Five of the Minié balls and bullets entered the plate containing iron on one side only, and three of them went through without any appearance of splinter; seven of the Minié balls and bullets went into the other plate having iron on both sides of the material, but none of them passed through.

New River Company.—At the Auction Mart, on Tuesday, Messrs. Daniel Smith and Son sold an entire original King's share in the company, producing a dividend of 850l. nett per annum, subject to deductions of 13l. 6s. 8d. per year "King's clog," and 50l. per annum for redeemed land-tax. The New River is divided into only 72 original shares, one-half of which are denominated the King's moiety, and the remainder the adventurers' shares. The share sold was aubmitted in four parts, which realised respectively 4200l., 4350l., 4400l., and 4400l., making a total of 17,850l. A fixed perpetual annuity of 250l. per annum, secured upon three entire adventurers' and one King's share in the New River Company, subject to 38l. per annum land-tax, sold for 4550l.

LONDON AND NORTH WESTERN RAILWAY.—It is understood that the directors will recommend a dividend at the rate of 6 per cent, per annum—leaving about 50,000 to be added to the "rest."

GREAT WESTERN RAILWAY.—The balance of receipts over expenditure for the past half-year is said to be 313,000?, and that a dividend of 23 per cent for that period will be declared—leaving to next account about 108,000?.

LONDON AND SOUTH-WESTERN RAILWAY.—The net revenue of this compan for the half-year amounts to 181,976t, out of which a dividend of 5½ per cent per annum will be paid, leaving balance to next account, 8548t. The increas of receipts over the corresponding period of 1850 was 69,113t, while the increas of expenses was only 10,802t.

EASTERN COUNTIES RAILWAY.—The dividend to be declared by the directors in this company is expected to be after the rate of 4s. per share.

RAILWAY CALLS —The amount falling due in February is 350,981/.: in the ame month last year it was 368,832/.

RAILWAY CALLS —The amount falling due in February is 350,981/.: in the same month last year it was 368,832/.

Arrangements are in progress for the formation of an English railway company in the empire of Brazil, to construct a line from Rio de Janeiro to the interior provinces of San Paulo and Minas Geraes. A special grant has been obtained from the Government, which, with other documents in connection with the undertaking, has been lodged with Messrs. Heywood, Kennard and Co., through the agency of Freeland, Ker, Collings, and Co., of Rio.

FROME, YEOVIL, AND WEYMOUTH RAILWAY.—The northern portion of the Wilts, Somerset, and Weymouth Railway was completed from Frome to Cheltenham; and the present company has been formed for completing it on the broad guage from Frome to Weymouth, through Bruton, Castle Cary, Yeovil, and Dorchester. A capital of 700,000/L has already been expended in the purchase of lands and execution of works between Frome and Weymouth; and the Great Western Company, in whom the whole extent of line has become vested, have agreed to lease to this company their entire interests in the unfinished line for a term of 25 years—they agreeing to complete the line under the suggestions and in accordance with the plans of L.K. Brunel, Esq., to the satisfaction of the Great Western Company, and to work in connection with the Great Western Railway. Contracts have been entered into with highly responsible parties for completing the works in 18 months, after parliamentary sanction has been obtained, for a less sum than the capital proposed to be raised, and for underworking it on such terms as will secure an interest of 5 per cent. per annum, and leave a surplus which, lavested at 3½ per cent, will form a sum sufficient to pay off the capital amount at the expiration of the term. If the profits exceed 15 per cent. on the ront, the shareholders participate equally with the lessees in such surplus. The capital is to be 550,000L, in 22,000 shares of 25/L each—of which sum 150,000L has already been subscribed

SMELTING IN NEW SOUTH WALES .- We have received the satisfactory in telligence that the Newcastle Copper Smelting Company have succeed in pro ducing, at their Burwood works, a quantity of pure copper of first-rate quality ores imported from New Zealand and South Australia, being, we believe the first sample of refined copper produced in New South Wales. The works are situate about three miles from Newcastle, in a small glen so surrounded with hills as to form a natural amphitheatre, the area of which abuts on the sea shore at Long Beach. They are erected near to the water's edge, and were constructed and are under the management of Joshua L. Morgan, Esg. A tunnel is excavated in a seam of coal 8 feet thick, lying embedded nearly horizontally under the high ridge forming the north wall of the glen, and the council have passed an act to authorise the formation of a tram-road from the tunnel to the port, which, if carried into effect, will greatly facilitate the transit to and from the works. They consist of a spacious and well built brick building, 150 ft. long by 30 ft. wide, two calcining, two melting, and two roasting furnaces, a refinery, smiths and carpenters' shops, &c. Count houses and stores have been provided for, and in the walls of the large building arches are formed to permit approach to the furnaces, by which arrangement the interior where the men are employed is kept comparatively cool. With the exception of the manager's residence and workmen's cottages, the whole works are enclosed within a strong paled fence, probably forming the germ of an extensive establishment. The smelting processes are conducted in reverberatory furnaces, similar to the Swansea establishments, although the peculiarity of the ores renders the details more difficult. Those from New Zealand contain much sulphur and iron, with a low per centage for copper, and are obliged to be pre-liminarily roasted: those from South Australia are rich, with much silica, little iron, and no sulphur. For the first smelting process a charge of about 24 cwts. hills as to form a natural amphitheatre, the area of which abuts on the sea sulphur and iron, with a low per centage for copper, and are obliged to be preliminarily roasted: those from South Australia are rich, with much silica, little
iron, and no sulphur. For the first smelting process a charge of about 24 cwts.
is so made up of proportions of the different ores that a slag shall be formed
of the iron, silica, and earthy matters, quite clear and free from copper, and
that the regulus shall contain as a sulphuret from 55 to 60 per cent. of copper.
This regulus, from its great specific gravity, sinks on to, the hearth of the furmace, the slag floating on its surface, from whence it is raked out, and the fluid
mass below obtained by tapping, in the usual manner. About 3 tons as a
charge then undergoes the process of roasting at a red heat for 12 hours, air
being admitted to oxidise the iron remaining; the heat is then increased, and
the charge fused. The oxide of iron floats on the surface, from whence it is removed, leaving the sulphuret of copper exposed to the action of air and the
firs, keeping up a continual decomposition; at a proper time it is tapped into
and moulds as pimpled copper, still containing a portion of iron and sulphur,
the separation from which is effected in the refining furnace, from which it is
run into cast-iron moulds, either as ingots or tiles. Newcastle is a free warehousing port, within 10 and 20 days' sail respectively of New Zealand and South
Australia, from whence the ores are procured. A better site for smelling works
could scarcely be found, immediately contiguous to a harbour thus eligibly
situated, and in immediate proximity to an abundant supply of coals, obtainable by levels. The company possess every advantage for carrying on their
works with great economy, and commanding the markets of China and India
for the sale of their produce, for which there is an eager demand.

COAL MARKET, LONDON.

MONDAY.—Ships at market, 192; sold, 129. WEDNESDAY.—Ships at market, 122; sold, 70. FRIDAY-Ships at market, 91; sold, 59.

Current Prices of Metals, Stocks, & Shares.

META	AL MARKET, London, February 6, 1852.
Bar, bolt, & square, London £4 17 6-5 0 0 Nail rods	Tile
Hoops	Wetterstedt's Pat. Metalt Cwt. 1 11 0
Bars, at Cardiff & Newport 4 7 6-4 10 0 Refined metal, Wales 3 0 0-3 5	South American, in bond 78 0 0 ENGLISH LEAD. 9
Do. anthracite* 3 10 0 Pigs in Wales 2 15 0	Pig
Do. do. forge 2 5-2 10 Do., No. I, Clyde. net cash 1 17 0-1 18 Biewitt's Patent Refined Iron 2	Pipe 18 0 0 Red lead 19 10 0
for bars, rails, &c., free on 3 10 0 board at Newport*	White ditto 25 0 0 Patent shot 21 0 0
Do., do., for tin-plates, boiler 4 10 9	Spanish, in bond 15 17 6
tirling's Patent in Glasgow 2 10 0 Toughened Pigs in Wales. 3 10-3 15	islockper cut. 4 0 0
taffordshire bars, at the works 5 5 0 tails (Staffordshire) 5 0-5 5	Bar 4 10 0 Refined 4 12 0
hairs (Clyde) 4 0 0	FOREIGN TIN &
wedish	Straits 4 3 0
CCND	IC Coke
wedish keg	**************************************
Ditto faggot	English sheet per ton 20 0 0
ongh cake non ton 80 10 6	0

GLASGOW, SEFT. 5.—The fall in the price of pig-iron appears to be arrested, the marical having been steady throughout the last week; any iron offered has been picked up
y stray parties, who are convinced that at and under the present rates it is a safe article
or investment, as iron cannot be produced except at a great loss, and, sooner or later
has supply must be more regulated by the actual demand than it has of late.

Mixed Nos.. good brands, free on board here, store warrants.. 36s. 0d. per ton.
No. 1, ditto ditto ... 36 6 ,

-A diminished business has been transacted this week in all but dividend mines, and still lower prices again submitted to. The superior attractions of the gold shares must be noted as the sole cause of this change in the aspect of the British market, and the effect, though detrichange in the aspect of the British market, and the effect, though detri-mental to many parties who have ventured largely into crude concerns, will be salutary as regards the general interest of mining. Several dis-coveries of rich lodes in Cornish mines are announced, and improvements in the yield or quality of ore from others both in Cornwall and Devon.

In the Bullion Market,-Mexican and South American dollars, buyers 48. 10\frac{3}{2}d. per oz. Bar silver containing gold, all gold above 5 grains in tre pound to be paid for, 5s. 0\frac{3}{2}d. per oz. standard. Bar silver without gold, 5s. 0\frac{3}{2}d. per oz. standard. Bar gold, 77s. 9d. per oz. standard. Spanish doubloons, 78s. 3d. per oz. Columbian doubloons, 78s. per oz. Fine cake silver, 5s. 5\frac{1}{2}d. per oz.

Welsh lead shares are also more generally dealt in.

In the Metal Market,—Copper is very firm in every respect, and with a fair business doing.—Of British Tin the supply is not equal to the demand, and present rates are firmly supported. A parcel of Banca slabs realised 82s. 6d., prompt cash; in other respects the market has been quiet.—Tin-plates are selling freely, and in large quantities, at the price quoted.—Lead remains dormant.

The sale of copper ore at Thursday's ticketing was 4366 tons, amounting to 20,281l. 1s., the average produce and standard being 6½, 113l. 10s. The corresponding sale last month was 2965 tons, produce 7½, 105l. 9s.,

showing an advance of 3l. per ton.

The ticketing for 100 tons of Foxdale (Isle of Man) lead ore, varied from 9l. 10s. per ton by Sims, Willyams, and Co., to 11l. 5s. by Joseph Walker, Parker, and Co.

The ticketings for 100 tons of Laxey (Isle of Man) lead ore varied from Sims, Willyams, and Co., 184 per ton, to Newton, Keates, and Co., 194.7s.

At Coed Mawr Pool Mine, they sold on the 31st Jan. 31 tons 13 cwts, of lead ore, at 104.10s. per ton. A full report will be found amongst the British Mines.

ywarnhayle Mines sold 57 tons of silver-lead ore on Wednesday, at 18s. per ton, amounting to 906/. 9s., from the Nancekuke part of the

The South Tamar Mines sold, on Tuesday, 70 tons of silver-lead ore, at 17. 15s. 6d. per ton, to J. H. Meredith, Esq.

Court Grange sold two parcels of silver-lead ore—23 tons to the Tamar Smelting Company at 14. 13s.; and 8 tons to Newton, Keates, and Co. at 12. per ton.

Wheal Mary Ann sampled two parcels of lead ore on Saturday lest—

Sinciting Company at 144, 158.; and a tons to restron, according to 121, per ton.

Wheal Mary Ann sampled two parcels of lead ore on Saturday last—
No. 1, 75 tons; No. 2, 40 tons, computed, for sale on Monday next.

Hingston Down Mines have sampled a parcel of ore, computed 110 tons, of good quality.

At Cwmystwith Mine, they sampled 50 tons of ore on the 2d inst.—the mine looking well. There have been 5 fms. opened in the new discovery, which altogether yielded 15 tons of ore.

The quantity of Tincroft Mines ores, 834 tons, would have reached 1000 tons, but for the weather preventing the dressing of it, particularly at the north mine; the estimate is about 3650. They have likewise sold two parcels of tin; and in the 110 west, on North Tincroft lode, several branches are dropping into the lode, increasing it in size and value.

Great Polgooth Mine sold two parcels of tin; value about 1223l.

We had the satisfaction last week of adding two of the productive mines

We had the satisfaction last week of adding two of the productive mines to our dividend Share List, where we hope they will long stand, and prosperously, leading the way to several others that we expect shortly will have to be placed among them. The two alluded to are St. Aubyn and

We understand that at the forthcoming meeting of the Fenton Pottery Coal and Ironstone Company, a dividend at the rate of 10 per cent. per annum upon the first half-year's working will be declared, besides carrying a considerable amount to the reserve fund. This speaks well for the ma-

At Wheal Basset bi-monthly meeting, on Tuesday, the accounts showed—Copper ore sold, 6341l. 14s. 5d.; tin, 996l. 17s. 11d.; sundry disbursements, 17l. 13s. 5d.—7356l. 5s. 9d.—Dues, 489l. 4s. 9d.; labour cost, Nov. and Dec., 2189l. 14s. 10d.; merchants' bills, 983l. 15s. 11d.; income-tax, half-year, 82l. 13s. 6d.: leaving balance of profit, 3610l. 16s. 9d.—deduct South Mine cost, 318l. 8s. 11d.; dividend, this day, 2560l.: leaving balance, 739l. 7s. 10d. which, with 77l. 18s. 3d. last percent makes 150l. 6s. 14 732l. 7s. 10d.; which, with 771l. 18s. 3d. last account, makes 1504l. 6s. 1d. in hand to the next account. Giesler's Iode, in the 100 west, is worth 6l. per fm.; the 80 west, 8l.; the 70 west, 7l.; the 60 west, 16l.; the 60 east, 7l.; the 50 west, 25l.; the 40 east, 20l.; the 30 east, 15l. Eight men are stoping the back of the 40, which yields 35l. per fm. Marriot's shaft, sinking under the 40, is worth 15l., and is nearly down to the 50 fathom level. The new north lode in the 70 east is worth 6l.; west, 9l. per fm. At Carnkie, they have six pitches, working at 5s. in 1l. tribute; on Lloyd's lode, seven pitches, at 7s. 6d. in the 1l. A dividend of 10l. per share was declared.

At Wheal Sydney meeting, at Plymouth, on the 19th January, the accounts showed a balance in hand of 21l. 16s. 5d. A call of 2s. 6d. per share was made. 7324, 7s. 10d.; which, with 7714, 18s. 3d, last account, makes 15044, 6s. 1d.

At East Seton and Wheal Maud Consols meeting, on the 28th Jan., the accounts showed—Balance from last meeting, 834.6. 68.8d.; labour cost for Oct., 154.1s. 11d.; Nov., 172.7s. 8d.; Dec., 139.1.15.9d.; merchants' bills, 256.8s. 5d.=1557.7.0s. 5d.—By call of 21. per share, made Oct. 22, 1024.1: leaving balance against adventurers, 533.0s. 5d. A call of 11. per share was made. [A report from Capt. W. Richards, the manager, and Capt. J. Sprague, the agent, will be found in another column.]

At West Wheal Frances meeting, on Tuesday, the accounts for Sept., Oct., Nov., and Dec., were produced and allowed, showing—Balance from last account, 190.1 11s. 2d.; costs and merchants' bills, 627.1 3s. 1d.=817.1 14s. 3d.—By call in Sept., 5124.: leaving balance against the adventurers, 3051. 14s. 3d. A call of 11. 10s. per 512th share was made.

At the Forest Mine meeting, on the 26th inst., the accounts showed that 3861.3s. 5d. had been expended on the mine, of which 256l. 10s. 4d. was in the last twelve months the adit has been driven eastward about 100 fms., 80 of which are on a fine lode, from 1½ to 2½ ft. wide, composed of gossan,

80 of which are on a fine lode, from 11 to 21 ft. wide, compe

quartr, mundic, &c.

At Wheal Sophia meeting, on the 27th Jan., an account of which we

quartz, mundic, &c.

At Wheal Sophia meeting, on the 27th Jan., an account of which we gave in our last, the resignation of Mr. Ward, the late purser, was accepted. The accounts appear to be in confusion. To pay off some debts, a call was made of 10s. per share. The report of Capt. Luke seems of a favourable nature, and a new water-wheel will be ready to fix in about a month hence. At the general meeting in April next, they hope to be enabled to report favourably of the bottom of the mine.

At Wheal Speedwell bi-monthly meeting, on the 26th Jan., the accounts showed—Balance at last account, 5394. 3s. 7d.; labour cost for October, 2344. 6s. 3d.; Nov., 1864. 4s. 8d.; subsist to tributers, 874. 10s.; merchants' bills, 1744. 19s. 10d.; dues, 134. 0s. 9d. = 12354. 5s. 1d.—Less copper ore sold in Jan., 1554. 16s. 8d.; tin, 344. 10s. 6d.; call, 5124.: leaving balance to next account, 5324. 17s. 11d. A call of 10s. per share was made. The engine-shaft is sinking under the 30, intending to drive levels in the 45 to come under the lode, which was productive of copper in the 30. The 30, east of Teague's shaft, is yielding large quantities of mundic, with good stones of copper ore. The cross-cut has intersected the north lode 5 feet wide, producing stones of ore. In 10 fms. further driving, they expect to cut the lode wroaght on in the adit, which has not been seen under. The tributers are breaking a little copper and tin.

At Wheal Neptune bi-monthly meeting, on the 26th Jan., the accounts showed—Balance from last account, 5034. 2s. 9d.; labour cost, October, 824. 11s. 8d.; November, 83. 10s. 11d.; merchants' bills, 504. 18s. 11d.=7204. 4s. 3d.—Call in November, 5124.: leaving a balance to next acount of 2084. 4s. 3d. A call of 5s. per share was made. The engine-shaft is sunk to the 20, and that level extended west 18 fms.; lode yielding mal-

82/. 11s. 8d.; November, 83/. 10s. 11d.; merchants' bills, 50/. 18s. 11d.—720/. 4s. 3d.—Call in November, 512/.: leaving a balance to next acount of 208/. 4s. 3d.—A call of 5s. per share was made. The engine-shaft is sunk to the 20, and that level extended west 18 fms.; lode yielding malleable copper, with a small quantity of black ore; east, 12 fms.; the lode is large, but unproductive. They are about to resume sinking the shaft, to get under the lcde making westward.

At Wheal Robins bi-monthly meeting, on Thursday, the accounts showed—Balance in hand from last account, 73/. 10s. 5d.; calls received, 571/. 17s. 6d.; allowance on timber, 6l. 15s.—652/. 2s. 11d.—Paid for water-wheel, 175/. 15s.; Nov. labour cost, 74/. 11s. 8d.; Dec., 90/. 6s. 7d.; paid August bills, 117/. 3s. 10d.; part of Sept. bills, 94/. 11s. 10d.; secretary's salary, &c., 16/. 10s. 10d.: in hand, 83/. 3s. 2d. The balance of liabilities over assets was 327/. 3s. 4d. A call of 5s. per share was made. The chairman said they had taken Trevenna sett for 300/. premium and 1-15th dues, to be called West Wheal Robins, divided into 2048 shares, and distributed pro raté among the shareholders, on payment of 4s. per share. The 20 west is easy ground, the lode larger and more orey, letting down much water, showing it is large and open, with a fine mundic back; they expect to find it a good orey lode against the elvan course. The 10 west is 2 feet wide, yielding a little tin in the gossan; the lode has a very promising appearance and likely to make copper in depth, and, the ground being easy, it can be explored at little cost.

At Wheal Chiverton bi-monthly meeting, on the 28th of Jan., the accounts showed—Balance last account, 946/. 19s. 11d.; labour cost, Oct., 121/. 10s. 3d.; Nov., 143/. 8s. 3d.; dues, 11/. 19s. 4d.; merchants' bills, 99/. 0s. 6d.—1322/. 18s. 3d.—Call in Nov., 1024/.; tin sold, 207/. 3s. 4d.; leaving balance to next account, 91/. 14s. 11d. The agent's report will be found among the British Mines. We notice that eight men are raising

be found among the British Mines. We notice that eight men are raising tin enough to pay the whole cost of the mine.

At South Wheal Trelawny general meeting, on the 31st January, the accounts showed—Balance last account, 96?. 14s. 4d.; cost for Aug. and Sept., 114l. 9s. 1d.; Oct. and Nov., 127l. 10s. 10d.; Dec., 77l. 2s. 10d. = 415l. 17s. 1d.—Call in Sept., 396l.: leaving balance to next account of 19l. 17s. 1d. A call of 2l. per share was made; and it was resolved that the purser do, either by himself or through the merchants to whom the mine is indebted, take such legal steps as he or they may deem proper against such of the shareholders as shall not, within two weeks of the present time, have paid up the calls made on their shares on the 13th Sept. last or previously; also that the engine-shaft be sunk 20 fathoms deeper. The very favourable change in the ground in the 60 induced Capt. Dunstan to recommend them to do this, and not to expend more money in the shallow levels, except driving north on the eastern lode—the mine being-poor in every other part.

low levels, except driving north on the eastern loue—the limb being your in every other part.

At Wheal Tom bi-monthly meeting, on Thursday, the accounts showed —To balance in hand, 4151, 19s. 11d.; cash, 830l. 5s. 10d. = 1246l. 5s. 9d. —Costs for Nov., 359l. 15s. 8d.; December, 234l. 4s. 11d.; merchants' bills, 602l. 5s. 2d.; travelling and office expenses, 50l. = 1246l. 5s. 9d. A call of 1l. per share was made. The engine-shaft is down 30 fms. from surface, where they intend driving north and south, to intersect the tin lode. The shaft is set to sink at 10l. 10s. per fm., the deep adit to drive at 2l. 16s., and the shallow adit at 4l. per fm. Here they appear to cut into the main part of the lode 4 ft., with a kindly appearance for making tin. At the Wood Mine bi-monthly meeting, at Plymouth, on the 28th Jan., a call of 2s. 6d. per share was made, for the purpose of sinking a shaft on the course of the lode, cut 600 fms. north of the old workings, showing a very fine gossan on the back. The old shaft is cleared down to adit, which is 32 fms. from surface. The ground at both ends of the shaft is all taken away, by which it would appear there had been a good course of lead. A

the course of the loue, cut soot miss finds and the start of down to adit, which is 32 fms. from surface. The ground at both ends of the shaft is all taken away, by which it would appear there had been a good course of lead. A pitch is working at 10s. tribute.

At West Wheal Edward meeting, on Monday, it was resolved to prosecute the workings on this mine forthwith; adits can be brought in 30 fms. deep, on lodes showing a rich gossan for copper ore near the surface, and near the junction of granite and killas.

At Wheal Harriet quarterly meeting, on the 24th Jan., the accounts showed a balance against the mine of 447L 5s. 4d. It was resolved to increase the number of shares from 2560 to 5120, and a call of 5s. per share was made thereon. Messrs. Reid, Bellinger, Smith, Hoppe, and Truscott were elected as the committee of management. The engine-shaft is set to sink below the 40, by nine men, 3 fms., at 26L per fm.; the 40 west, on the south lode, 4 fms., at 9L per fm. The 30 cross-cut north, to intersect the new lode, cut down by four men to 10s. per fm., captain's price 80s.; the 30 east, on the north lode, cut down by four men to 2L 10s. per fm., dagent's price 10L. The winze to sink by six men, at 12L per fm., there being great compotition at the survey. The engine works well, the shaftwork is complete, and the materials quite new. They intend fixing a plunger-lift in the 30 fm. level, by which a saving in coals, leather, &c., will be effected. will be effected.

At Trawsmant Mine meeting, on Monday last (a report of which will be found in another column), an estimate of the expense for setting the same to work on the Cost-book Principle was submitted, and approved of; likewise the report of Mr. A. Dean. Specimens of ore from a depth 30 fms. were exhibited. Capt. Couch was appointed resident agent, and the

Alfi Easa Bull Trace Tree Russ Bru Bru In Unit Tree din a dera volu the . . only 974lb leavi to lo

30 fms. were exhibited. Capt. Couch was appointed resident agent, and Mr. Gregory chosen secretary.

At Runnaford Coombe Mine meeting, on Jan. 16, the secretary's account showed—November cost, 86l. 14s.; Dec., 91l. 9s. 11d.—178l. 3s. 11d.—Balance in hand last account, 57l. 17s. 2d.; arrears of calls, 24l. 6s.; received from treasurer, 91l. 9s. 11d.: leaving balance due, 4l. 10s. 10d. The treasurer's account showed—Balance in hand from last account, 169l. 12s. 1d.; received for tin sold, 67l. 11s. 4d.; interest, 1s. 1d.—237l. 4s. 6d.—Paid secretary, as above, 91l. 9s. 11d.: leaving balance in hand to next account, 145l. 14s. 7d. It was resolved that the shares of the defaulters should not be absolutely forfeited until the next general meeting, when the resolution, declaring such forfeiture shall be final, and shall not require confirmation at the subsequent general meeting. The workmen are busily engaged about the wheel-pit, lobby, &c. The new wheel is expected to be ready in a month, and double the power of the old one. Some hundreds of tinstuff has been broken ready for stamping, and a similar quantity to the last crushed upon the floors.

At Wheal Wrey Consols, the lode is reported rich for silver-lead ore; at

At Wheal Wrey Consols, the lode is reported rich for silver-lead ore; at present very shallow, and more vigorous operations are contemplated, so a lot develope it 20 fathoms below adit.

tain its value.

At Cubert Mine, they have given notice to sample 30 tons of lead ore yesterday. The engine-shaft is sinking in favourable ground. The lode in the 35 west appears to be widening; and cast it is driving through a bunch of lead ore—good work. The rise up to the 25 is holed. Henry's shaft is sinking under the 25 fathom level. The tributers are raising a fair quantity of ore.

At Wheal Peru, they are preparing a parcel of lead and one of gossan ore for sale, to prove the quality. Reid's shaft is down to water; the lode is 5 feet wide.

At Butterdon Mine, they have been obliged to stop working, the water exceeding 500 gallons per minute, owing to the unprecedented influx

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exceeding 500 gallons per minute, owing to the unprecedented influx caused by the late heavy rains. The same complaints are made in a great At Trelawny Mine, the shaft is down 11 ims. 4 ft. below the 107 fm

level: the increase of water prevents greater progress being made. They purpose stopping Smith's engine on Monday, for the purpose of fixing pit work for the new one, which may take three weeks, by which time they expect the new engine will be ready. The bottom ends are all yielding fair quantities of ore.

purpose stopping Smith's engine on Monday, for the purpose of fixing pit work for the new one, which may take three weeks, by which time they expect the new engine will be ready. The bottom ends are all yielding fair quantities of ore.

At Bat Holes Mine, the 60 south is 4 ft. wide—work of coarse quality. The 48 north is turning out 15 cwts. of lead ore per fm. As soon as the winze is down from the 40, it will lay open an orey piece of ground for 20 fms. long, which will work at a moderate tribute. January sampling is estimated at 50 tons, and a larger quantity expected for February, from the increased number of tributers now at work.

At Tremar Copper Mine, the new 40-inch cylinder steam-engine, built by Messrs. Thomas, and Co., of Charlestown Iron-Works, went to work in capital style on Monday, in the presence of Capt. Peter Clymo and a large body of adventurers in the vicinity.

At Stray Park Mine, a considerable improvement has taken place in the 100, west of the cross-course. The account-day meeting will be held on Friday next, when more particulars will be given.

At Cefn Bruno, the lode has improved in size and quality from the adit to the 24. The estimated quantity of ore discovered is 820 tons, 50 of which is in preparation for market. The 24 west is turning out full 2 tons per fm.; east 1\frac{1}{2}\$ ton; but the end at present is disordered.

At Wheal Arthur, the lode in the 35 fm. level is 5 ft. wide, producing a fair quantity of ore. The ends east and west are driving by six men in each, at 3l. 10s. per fm. The lode in the winze below is 4 ft. wide, yielding some good stones of ore, looking very promising; nine men are sinking it at 4l. 10s. per fm. The 50 north is driving by six men, at 9l. per fm., and south by six men, at 7l. 10s. per fm. Another parcel of copper ore will be got ready for sale as speedily as possible.

At Prince Albert Consols, the dressing machine will go to work on Saturday next. The lode has been cut through, and is being pursued east and west, with good indications.

At Whea

We are glad to learn that a rich Icde was cut in the 20 fathom level at Wheal Vincent on Wednesday. It is anticipated that the parallel lode to the one cut, lying north, will cut equally rich, and that the valley contains thousands of pounds worth of tin. A steam-engine will be forthwith ordered. Immediately on receipt of the gratifying intelligence, Mr. Crofts convened a meeting of the shareholders, to be held on Tuesday next, when all particulars will be laid before them, also some specimens from the lode, and a report from Mr. Marray.

A deputation of gentlemen interested in North Trelawny have just inspected the mine, and called in several agents of the locality to inspect and report thereon, among whom is Capt. John Floyd, of Stoke Climsland, whose report will be found in another column. A water-wheel is to be erected forthwith, which, with such a valuable river of water at hand, will enable them to prosecute the concern to a much deeper level than the partial and shallow trial that has been made. The junction of lodes is at 50 fms. deep. The sooner they set about reaching that level the better. The Polberro Mines' produce of tin in the last month is about 22\frac{2}{2} tons. The tribute pitches are looking fully as well as for some months past: the tutwork operations are laying open tribute ground, and have, upon the whole, improved.

Repeated complaints have been made by the mining interest of the low

whole, improved.

Repeated complaints have been made by the mining interest of the low prices paid for copper ores by the smelters at the ticketings in Cornwall and Swansea, and the necessity of the formation of a smelting company, in order that fair rates might be obtained. We have been reminded by a correspondent that a company for this express purpose was formed about five years back, but was not responded to by the miners as might have been expected. The company alluded to is Low's Patent Copper Company, at Penclawdd, near Swansea, who, from not receiving the support they anticipated, have been compelled to purchase at the ticketings.

A meeting of the Jess Birch Tox Mining Company has been convened.

A meeting of the East Birch Tor Mining Company has been convened at which the expediency of "winding-up" will be considered.

The Lugar Iron-works, at Kilmarnock, have been suspended, throwing a number of hands out of employ. We are glad, however, to learn that there is a prospect of the company resuming operations.

During the week, shares have changed hands in Devon Great Consols Alfred Consols, St. Aubyn and Grylls, West Providence, South Frances, East Tamar, South Tamar, Merllyn, Garreg, Robins, West Caradon, East Buller, Mary Ann, West Ding-Dong, Great Bryn, East Daren, Trelawny, Trannack and Bosence, Wheal Tremayne, Lelant Consols, Wheal Basset, Treviskey and Barrier, Chiverton, Wheal Seton, Stray Park, Busparvo, Trehane, West Wheal Rose, Galt-y-Maen, Wheal Golden, East Wheal Russell, St. Agnes Beacon, Bodmin Wheal Mary, North Trelawny, Cefn Bruno, Coed Mawr Pool, Carvannal, Tywardreath, Wheal Fanny, Wheal Brewer, Wheal Reeth, Wicklow Copper, and General Mining Company for Ireland.

for Ireland.

In Foreign Mines, transactions have taken place in St. John del Rey, Unite I Mexican, and Worthing.

The Copiapo Mining Association held their half-yearly meeting yesterday (C. H. Ellis, Esq., in the chair), the report of which will be found in another column. It appears that the association had suffered considerably from an epidemic among the native labourers, and the recent revolution in the country, all which has been reported from time to time in the Mining Journal. The produce of copper during the half-year has been only 257 tons, being 150 tons less than the preceding six months, and 9744. 9s. 3d. has been realised for silver and gold during that period. The Cuba sailed on the 22d Sept. with 468 tons of copper ore, 30 tons of silver leavings, and 10s tons of silver ore; and the Catherine Jenkins is chartered to load 450 tons more copper ore—so that larger returns are expected in

At East Daren Mine, the 20, west of Taylor's, is turning out 2 tons of silver-lead ore per fm.; the shaft will be resumed at once. The prospects downwards are very encouraging. The 20, east of Reed's, is again turning out a little ore. Shares have considerably advanced in consequence. At East Seton and Wheal Maud, they expect to have upwards of 20 tons of good quality copper ore for sale on the 4th March. The engine-shaft is down 22 fms, below adit—lode 2 ft. wide, and kindly. The 20 east is extended 39 fms., through bunches of ore, and coming under the orey ground in the level above, where the present end yields 2 tons per fm. At Wost Basset, the lode in the 52, east of perpendicular shaft, is 2 ft. wide, saving work. The cross-cut morth, in the 20, has intersected the north lode; they have cut in 2 ft., and no north wall as yet; some exceedingly good ore has been found in it.

At North Basset, the lode in the 82 west is turning out 2 tons of copper ore per fm. The winze from the 72 is in a good lode of yellow copper ore, as is also the 82, west of Miner's. The mine generally is looking well. At Wheal Gill, the lift is down to the 36, and the water in fork to the 20. A pitch has been set at 13s. 44. in 11. for copper, and 10s. per ton for jack. The ore is reported of good quality.

At East Tolgus, on North Buller lode, in the adit end east, the ground is harder; the lode is 4 ft. wide, worth 2 tons of copper ore per fm. A couple of men are shooting down a large piece of the tin lode, to ascertain its value.

At Cubert Mine, they have given notice to sample 30 tons of lead ore

At Cubert Mine, they have given notice to sample 30 tons of lead ore

At Cubert Mine, they have given notice to sample 30 tons of lead ore stock, 725 tons 2 cwts.

During the past week the tendency to speculate in gold mines has been on the increase. Those most in favour have been well supported, in particular the Agua Fria and Anglo-Californian Companies have been most in demand, in both of which considerable business has been done, with a corresponding rise in prices. The accounts received yesterday from Australia, together with the arrival of a very large amount of gold dust by the Phanecian, has had a powerful effect on the popular mind. The amount of gold received in Sydney is now about 17,000% per week, and the value of gold shipped from Sydney amounted to 218,949% 6s. 3d., and bills are drawn in London against gold at 6 per cent. discount. The market displayed considerable activity, and the advices not only operated on the old companies, but likewise on some of the new schemes. The latest prices are—Australian Auriferous, \(\frac{1}{2} \) dis. to par; Anglo-Californian, \(\frac{3}{4} \) to 1 prem.; Australian Copper, \(\frac{1}{2} \) dis prem.; Agua Fria, \(2\frac{1}{2} \) to \(\frac{3}{2} \) prem.; Ave Maria, par to \(\frac{1}{2} \) prem.; Golden Mountain, \(\frac{1}{2} \) to \(\frac{3}{2} \) prem.; Noveau Monde, 9-16ths to 11-16ths; Mariposa, \(\frac{1}{2} \) to \(\frac{1}{2} \) prem.; Colonial Gold, \(\frac{1}{2} \) to \(\frac{1}{2} \) prem.; Correct of the correc

A letter from Vienna says:—"The production of gold in the Austrian States, during the year 1851, has amounted to 7500 marks, or 7,145,550 fr. More than one-half of that amount was furnished by washing the auriferous sands of Transylvania, the rest being taken from the mines of Hungary, Austria, and Moravia.

At Weisskirch one piece of virgin gold was found worth 1480 fr."

HULL, TRUESDAY.—Our correspondents (Mossrs. T. W. Flint and Co.) state that the market for mining shares has been decidedly better during the past week. Among the stocks that have been most prominently firm may be mentioned Chirerton and Lelant, South Tamar may be quoted rather better, Tremayne more offered, Merilyn sollers at 71., and Alfreds are firm at late prices. Gold shares continue to attract attention. There is a disposition to invest in these, if anything approaching to the results promised should be realised.

The transactions in Runk shares during the week have been confined to a few descriptions, and prices are well supported. The sales recorded are —British North American, 48; Colonial, 12½, 11½ ex. div.; London and Westminster, 29½, 30, 29½, 3, ex. div.

48; Colonial, 12½, 11½ ex. div.; London and Westminster, 29½, 30, 29½, ½, ex. divand bonus.

In Dock shares the only incident to be noticed is a further advance in East and West India Dock shares. The transactions have been—East and West India Dock stock, 146 ex. div.; 10.00don, 121 ex. div.; and Si. Katharine, \$2.

Peninsular and Oriental Steam shares are a shade lower, being quoted 68, and the New, 17½. Royal Mail Steam are also less firm, being 76½ to 77½. General Steam Navigation Company are 28½, 28.

In Insurance shares prices remain unaltered, except Law Life and Legal and General Life, which are a shade higher. The latest quotations of the market are—British Commercial, 6½; Church of England, 3½; Clerical, Medical, and General, 27½; European Life, 12; Medical, Invalid, and General, 2½; National Loan Fund, 2½ ex. div.; Professional Life, ½; Provident Life, 30; Rock Life, 6½; United Kingdom, 4; Victoria Life, 5½. The General Reversionary and Investment Company's shares are quoted 94; London Reversionary, 42; Reversionary Interest Society, 101 ex. div.

Amongst the Miscellaneous shares we noticed for the first time the Trust and Loan Company of Upper Canada. Others are quoted—Australian Agricultural, 20; Australian Trust, 20½, ½; Price's Candle Company, 23; South Australian Company, 234.

It is in contemplation to extend the line of steam navigation now in operation to the Isthmus of Panama thence to Sydney, and thus the great contral American route to Australia will at length be perfected. The scheme is promoted by Capt. C. E. Mangles, managing director of the West India Mail Company, and although the enterprise will not be started by the Royal Mail Company, it is believed many of the directors are individually interested, and that it will be carried out inwoncert with the Pacific Steam Navigation Company of Liverpool.

The Eastern Archipelago Company have addressed to Mr. Hugh Fleming, secretary of the Manchester Commercial Association, a circular, with a chart extending from the Cape of Good Hope eastward to Cape Horn, exhibiting the advantageous position of Labuan with reference to an export trade in coal from that island to India, China, Australia, or California; and also transmitting copies of reports on the quality of the coal supplied to the Peninsular and Oriental Company from the mines of the Eastern Archipelago Company at Labuan.

at Labuan.

Mr. Jackson Barwise, C.E., with two assistants, and 12 Cornish miners, sent out by the Ave Maria Gold Mining Company, left England by the Orinoco to proceed to California, to commence operations. The Orinoco also took out for the same company a large quantity of powerful steam machinery and crushing apparatus for extracting the precious metal from the quartz rock, accompanied by competent engineers to erect and set it to work on the Ave Maria and San Carlos Mines, leased by the company. This party of miners will proceed to Greytown, and go thence by the Nicaragua route to San Francisco. This steamer has also 1000 bottles of quicksilver, value 10,4000, sterling.

Among the list of patents in our present Journal will be found one granted to our correspondent, Mr. William Longmaid, for improved apparatus for obtaining gold. As the patent was only sealed on the 30th January, we are, of course, not in a position to describe the principle, but expect shortly to be able to lay the particulars before our readers.

A subscription has been commenced in order to present to Mr. Hensman, the superintendent of machinery in the Great Exhibition, and now engineer to the Bank of England, a suitable testimonial of respect for his services; and several of the most eminent engineering and mechanical firms in London, Manchester, Leeds, and other large towns, have subscribed very handsomely to it.

TIN BOUNDS.—In the Vice-Warden's Court, on Tuesday, a case at common law was tried, in which the plaintiff (Hawke) sought to recover for 4-16th parts of the bounds of Tolcarne tin lode, worked by the West Wheal Jowel adventurers. The case was very complicated, principally depending on the construction of the will of C. T. A. Bawden, who died in 1794, and subsequent assignments. The defendants pleaded that they had paid 28. 3s. 4d, all that was due, into Court; but Mr. Stokes claimed either 1-24th, 45l. 1s. 3d., or 1-15th, 72l. 2s. 6d. The jury found a verdict for the former amount, and that the renewals of bounds from 1824 to 1837 had been in favour of plaintiff and C. T. A. Bawden.

LEAD ORES.

TICKETINGS	FOR		000)T	"	W	T	U	8		A.Z	-	48	ΔI	, ,	UR	B		
Bidders.	Doug	glas,	Is	le	of	M	lai	n,	Ja	m.	3	١.				Te	enders	per	ton.
Newton, Keates, and C																			
John P. Eyton																			
Walker, Parker, and C																			0
Mather and Co																			0
Locke, Blackett, and C																			
Tamar Smelting Comp	any				••								 				18	0	6
Sims, Willyams, Nevil	, an	d C).			• •							 				18	0	0

TICKETINGS	FOR	ABO	UT	10	00	TO	NS	F	02	LD.	AL	Ė	L	EA	D	0	RE.			
Bidders.	Dou	glas,	Is.	10	of 1	Ma	n,	Fe	eb.	. 4	th					T	ender	's D	er t	on.
Walker, Parker, and	Co.	(pur	cha	se	rs)												£II	5	0	
Mather and Co																			6	
Newton, Keates, and	Co.																11	0	0	
Richardson and Co																		18		
J. P. Eyton																	10	17		
Pontifex and Wood .																		0	0	
Locke, Blackett, and																		12	6	
Tamar Smelting Com	pany	y								• •							9		6	
Sime Willyams, Nev	ill. a	nd C	0.														9	10	0	

Sold at Aberystwith, on the 2d February.

| Sold at the Mine. | Sold

BIDDINGS FOR SILVER-LEAD ONE FROM COURT GRANGE MINES. Sold at Aberystwith on the 30th Jan.

Penyoefn -23 tons. Llettyn-ha

A SSAY OFFICE AND LABORATORY, 23, HAWLEY-ROAD, KENTISH TOWN—conducted by Mr. MITCHELL, F.C.S., author of "Manual of Practical Assaying," &c.—Mr. MITCHELL begs to inform the Mining and Manufacturing Fublic, and Builien and Metal Brokers generally, that he confinues to conduct ASSAYS and ANALYSES of MINERALS, METALS, SOILS, FURNACE and all other MANUFACTURING PRODUCTS.—ADVICE to PATENTEES and MANUFACTURING PRODUCTS.—ADVICE to PATENTEES and MANUFACTURING TOWN AND ANALYSES, and METALLURGICAL of MANUFACTURING CHEMISTRY.—23, Hawley-road, Kentish Town.

COPPER ORES.

Sampled January 14, and Sold at Swansea, February 3.

Mines.		To	ns.		Pro	d.	1	Price		Mines.	Ton	18.	Prod.	Pri	ce.
Berehaven										Cuba	109		16 £13	8	0
ditto .		1	04	 	11	i	 9	8	6	ditto	90		162 13	11	0
ditto .	 		92	 	11		 9	0	6	ditto	71		161 13	8	6
ditto .	 		87	 	10	į.,	 8			ditto	69		221 19	3	6
ditto .	 		54	 	10	į	 8	11	6	ditto	87		234 18	14	0
ditto .			22	 	10	١.,	 8	14	0	ditto	52		2418	10	6
ditto .	 		4	 	10	1	 8	10	6	Knockmahon	82		81 7	8	6
Cobre	 	. 1	96	 	18		 14	14	6	ditto	70		84 6	16	6
ditto .	 ٠	1	86	 	18		 14	13	6	Sydney	45		12 10	1	6
ditto .	 		66	 	25		 30	19	6		7		124 10	0	0
ditto	 	. 1	52	 • •	24		 90	13	6	ditto	3		184 15	13	0
ditto .									0	ditto	2		16114	1	6
ditto									6	Maw-aw	an		EUR B	0	6
ditto	 	. 1	21	 	17		 15	1	6	Ballymurtagh .	36		41 3	15	6
ditto .	 	. 5	30	 	20		 17	1	6				11		А

Berehaven 473 £4174 0 0 8ydney 57 £598 6 C.bre 434 7673 1 0 Kaw-aw 38 304 19 cuba 448 6985 11 0 Ballymurtagh 36 134 18 Knockmahon 152 1074 6 0 COMPANIES BY WHOM THE ORES WERE PURCHASED.

	Tons.	Amount.	
English Copper Company	. 134	£1598 11 3	
Freeman and Company	. 92	830 6 0	
Grenfell and Sons	. 241		
Sims, Willyams, and Company	109	2029 4 0	
Vivian and Sons	196	2208 16 0	
Williams, Foster, and Company	134	1412 15 0	
Mines Royal Company	. 83	780 12 0	
English and Australian Company	73	1477 9 9	
Low's Patent Company	576	7555 10 0	
	-		
Total	1638 €	20.945 1 6	

AVERAGES. Produce. Price. Standard. British 9 15-16 £ 8 2 6 £104 8 0 Foreign 15 18 6 93 16 6

Sale..... 154 £12 15 6 £9

Totals -British 661; Foreign, 977 = 1638 tons (21-cwts.)

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								Λ	V	ERA	L G	ES	3 () F	1	A	ST	S	AI	LE									
									P	rodu	ce						1	Pri	ce.								Sta	nda	rd.
ritis	h									10						£	8	1	2	6						£	99	14	0
	gn																												
	Sal	8								13						£	10	17		0						á	€95	4	6
	T	ot	al	s-	-B	ri	ti	sl	1,	195	, 1	For	ei	gn	, (666	=	: 1	161	lt	on	8	(2	1 (w	ts	.)		

COPPER ORES.

Mines.	Tons.			Pric			Pri	ce
Tincroft	102		£2	13	0	Wheat Basset 23 £3	4	-
ditto	80		4	6	6	East Pool 72 2	8	-
ditto	68		2	17	6	ditto 66 2	8	0
ditto			2	13	0		12	Ö
ditto			4	1	0		14	Ö
ditto			3		0		10	ě
ditto			7		0	-1144- 08 3	2	ò
ditto			5		0		13	ě
ditto			2		6			
			6		o	3144- 000 0	6	0
ditto			6		o	ditto 38 2	6	
ditto					0		11	6
ditto			5			ditto 23 1	8	0
ditto	42		6	4	6		16	0
ditto	38		5	6	0	Dudnance 22 6	16	6
North Pool .	105		3	19	6	Camborne Vean 70 4	3	0
ditte	100		2	3	6	ditto 30 1	14	0
ditto	85		2	19	0	Wheal Francis 65 5	19	0
ditto	79		4	- 8	0	ditto 44 3	16	0
ditto	71		3	12	0		17	ō
ditto	60		1	15	0	Fowey Consols 76 6	7	6
ditto	59		4	3	0	ditto 75 6	9	6
ditto	50		10	ĭ	0		19	ŏ
ditto	40		3	i	0	n wit with an or	7	Ö
	15		ĭ	6	6			6
ditto		** **	4	7	6		5	0
Vh. Seton	100		5				9	
ditto	80			5	0		17	6
ditto	74		5	7	0		19	6
ditto	64		4	3	0	ditto 53 5	0	6
ditto	55		6	4	6	ditto 37 5 1	17	0
ditto	54		2	19	0	ditto 30 1 1	0	6
ditto	50		4	16	0	ditto 25 11 1	12	6
ditto	47		5	15	6	Dolcoath 49 4	17	
ditto	38		2	12	0	ditto 42 3	1	0
ditto	34		3	1	0		11	0
ditto	19		3	8	0	ditto 25 5	7	0
Vheal Basset	78		6	14	0	Pendaryes Consols. 26 3	i	o
ditto	66		3	5	6		15	0
	64		3	5	6	1111-	2	ö
ditto			4	15	0		2	0
ditto	63				6			
ditto	62		. 3	5	6		2	6
ditto	61		5	9			17	6
ditto	55		5	17	6			6
ditto	50		5	16	6	ditto 3 1	0	0
ditto	41		26	8	0			

Tincroft	834	£	3691	19	6	Fowey Consols	222		£1108	11	
North Pool	664		2463	6	0	South Wh. Frances	206		1511	18	0
Wheal Seton	615		2799	4	0	Condurrow	201		985	15	0
Wheal Basset	563		3309	0	0	Dolcouth	91		365	15	0
East Pool	327		984	16	0	North Roskear	70		608	10	0
East Wh. Crofty 3									168	11	-
Dudnance \$	231		1054	8	6	Pendarves Consols Wheal Vyvyan	24		138	12	0
Langelose						Gustavus Mines	22		107	5	0
Camborne Vean Wh. Francis	229		932	9	0	Wh. Mary (Red.)	20	****	81	0	6

COMPANIES BY WHOM THE ORES WERE PURCHASED.

Mines Royal	215 .		£1439	7	1
Vivian and Sons	579 .		2544	7	
Freeman and Co	509		1447	15	-
Grenfell and Sons				0	
Sims, Willyams, and Co				16	1
Williams, Foster, and Co	1113		5585	3	-
English and Australian Co	250		1277	12	-
Mason and Elkington	154 .		779	9	-
F. Bankart	467 .		1950	9	0
Total tons	4366	£	20,281	1	0

Copper ores for sale on Thursday next, at Andrew's Hotel, Redruth.—Mines and Par-cels.—Wheal Buller 765—Carn Brea 641—Tywarnhayte 539—North Wheal Basset 410— Alfred Consols 385—Par Consols 265—West Wheal Tresaury 240—Halamanning 224— West Wheal Seton 112—Levant 93—Wheal Agar 78—Wheal Treburyah 58—Botallack 51—Trannack and Bocense 48—Great Wheal Airfer 44—North Wheal Buller 32—Botallack 61—Trannack and Bocense 48—Great Wheal Airfer 44—North Wheal Buller 32—Botalwell Downs 24—Wheal Carpenter 20—Coole's Kitchen 20—Wheal Prosper 17—Wheal Harriet 13—Wheal Susan 12—Michell's Ore 10—Wheal Guskis 8.—Total, 3551 tons.

Copper ores for sale on Thursday week, at Andrew's Hotel, Redruth.—Mines and Parcels.—Devon Great Consols, Wheat Josah, Wheat Josah, Wheat Josah, Wheat Josah, Wheat Josah, Wheat Jarah, and Wheat Anna Maria, 1609—West Caradon 38—Mark Valley 328—Holmbush 300—Phoenix Mines 195—Wheat Friendship 183—Fowey Consols 182—Bedford United Mines 143—Hingston Downs 110—Prideaux Wood 92—Wheat Bedford 55—Tavy Consols 39—Wheat Crebor 33—North Buller 30—North Tolgus 8.—Total, 3692 tons.

COMPARATIVE AVERAGES OF THE WEEKLY SALES OF COPPER ORES FOR

118.1	T	EN	Y	EA	R5,	TO THE	FI	RS'	T SA	LE L	N	EBR	UAR	Y,	1893.	000	
Fears.	Tons.		P	rodi	100.	Amo	unt			Stand	lard	1.	Cup.	Ore	. P	rice !	Cake Cop
1842	3470			62		£19,004	13	6		£122	16	*****	€ 82	3		£96	1 1 1 1
1843	2628			71		15.542	15	0		115	17		62	14		84	The state of
1844						12,955	0	0		116	19	****	76	10		88	No topo
1845						22,987	14	6		105	9		69	16	** **	84	
1846						19,997	3	0		111	19		74	10		93	A. THE CASE
1847						24,654	13	0		107	10	****	79	. 3		88	1000000
1848							6	6		102	19		66	1		98	CONTINUE
1849						17,116	12			95							0.03598
1850							. 5			114	3	****	76			88	
1851							15	6		104	15		64	1 8	***	. 81	D-2 0

NOTICES TO CORRESPONDENTS.

B. B. (Truro).—All information respecting the Museum of Economic Geology can be obtained by addressing Mr. R. Hunt, at the Institution, Jermyn-street, St. James's.

obtained by addressing Mr. R. Huer, at the Institution, Jermyn-street, St. Jacobes.

W. A. A.—Although we admit there is much trath in our correspondent's remarks, still we cannot control "the powers that he," and are compelled to seek the particulars from the quarters named in our last, for want of any other source that can be relied on. We have already observed finer is a vast disparity in price between buyer and seller; share jobbers have been known to offer shillings and ask pounds for shares in the same concern. We could mane instances of this during the present week.

LEADING CHEMISTS OF EUROPE.—To the list published in the Journal of the 24th Inst., we have to add the names of Graham, Gmelin, Rammelsberg, Wöhles, Hofmann, Pelouse, Plattner, Will, Bousengault, Miller, and Löwig.

WHERA MARY EMMA.—The insertion of the letter of an "Old Adventurer" is not necessary after the notice in last week's Journal. Caght Heath will, of course, have attended the moeting, and preferred whatever claims he had against the sett. If they be reasonable, we have no doubt an annicable settlement will be effected.

PER MERGE'S HORNS.—Mr. Ennor is at a loss to know whether the remarks by Mr. Couch

we have no doubt an amicable settlement will be effected.

Firs us Exg's Houses.—Mr. Ennor is at a loss to know whether the remarks by Mr. Couch in the Journal of the 24th Jan., that "the horns were found in the tin bed, and the hones in the med below were calcareous," a intended as an answer to his previous queries on the subject; and if so, he bluks it is not such an one as ought to be expected from a gaological society. Mr. Ennor thinks every information should be given,—under what circumstances the transmutation into the took place, and what proportion of metal was contained in it; and wishes to know if Mr. Couch tested the outer parts; and whether the society will allow a hortion to be taken off, and fairly assayed, or this interesting subject may remain unsatisfactorily explained. As Mr. Ennor appears still doubtful as to the propriety of calling horns. "Irish elk horns," when found in Cornwall, we must inform him that the name is given to a peculiar apecies of elk, indigenous to Ireland, belonging to one of the family of which the horns in question doubtless formed a part; and, consequently, wherever found, the cognome is quite appropriate.

doubtless formed a part; and, consequently, wherever found, the cognomen is quite appropriate.

NORTH TERLAWNI.—We have not, as noticed by our Irish correspondent, received any report from this mine since 13th December hast, although the shares (16,000) are stated to have changed thanks at 3t. 3s. and 4t. each, which, as our correspondent states, does appear a high figure for a concern not yet selling.ore.

THE CALIDORIMA NAD AUSTASLIAN GOLD COMPANIES.—We continue to receive many communications, recommending some, and running down others, of these several undertakings, but as it is inviduous in public journalists to notice favourably one enter prise at the expense of another, we must decline their insertion, as the public who have capital to embart, have overy means of diligent enquity before they invest or speculate. One correspondent, "The Guide," in calling attention to the two classes of companies, considers both safe, but the Australian more a question of time, as nothing can be received as dividend from thence for 18 months, while probably the Californian and received as dividend from thence for 18 months, while probably the Californian and value the start, but self-interest should-lead us, we think, to our own-colony in preference, in which there is every promise of immense future success.

T. H. H. K.—The brokers advertising in the Maing Journal Californian and, other gold shares would farnish the information required. They are members of the Mining Exchange, which is squite distinct from the Stock Exchange. Any member of the latter would transact busines in the gold shares, if applied to.

C. M. (Southampton).—Wheal Grenville is quite a distinct set from that of West Wheal Grenville. The former is in 6000 shares, if applied to.

C. M. (Southampton).—Wheal Grenville is quite a distinct set from that of West Wheal Grenville. The former is in 6000 shares, if applied to.

C. M. (Southampton).—Wheal Grenville is quite a distinct set from that of West Wheal Grenville, we must refer our correspondent to Deans

spondent to Mesers. Foster Brothers.

The "Antiran"—In treating the "Irish Difficulty," the writer overlooks the fact tioned by Prof. Solly, that the process of Claussen's flax cotton was recorded by Sodelty of Aris 75 years ago. An article on "The Smoke Question" advises lining naces with five-brick, because of its valuable property when heated, in "its opera as a mode consumer"—In fallacy which we thought had been long exploded. There is everal excellent papers in the present Number, and an interesting large engrave giving details of the engine and beliefs of the Great Britain.

A Roller (Dundyvan).—We are not sufficiently initiated in Vulcan's art to know exprovincial term for any peculiar kind of rolled iron. We do not know any by the memotions.

he mentions.

P. A. (St. Luke's).—The water contained in the boiler being maintained in a state of violent chullition, a spray is thrown up from the surface which mixes with the steam. If the steam space is not high enough to allow this spray to substite, it will be carried into the cylindre, and having none of the mechanical efficacy of steam, will expend heat without a corresponding useful effect. This is called "priming."

The papers in course of publication on the Mineral Features of Connemara, Ireland, are by Mr. Plerre J. Foley, son of our old and respected correspondent. Mr. St. Plerre Foley, —from whom, by the bye, we should be glad more frequently to hear.

Psir-Play (Cornwall).—The insertion of the communication would produce no particular result. We, however, admit that the writings of the party he so liberally pracises are eccasionally practically useful, but do not agree with him that those of the person he shouses for communicating under an assumed name is "a complication of twaddle;" on the contrary, his letters, though short, generally contain sound practical sense, conveyed in a pility and condensed form.

Aristofles (Spitalfields).—The following are the average dimensions generally adopted

tistondes (Spitalfields).—The following are the average dimensions generally adopted by our most experienced boller makers. For every cubic foot of water to be evaporated per horr, there should be one square foot of grate bar, three cubic feet of furance space, one square yard of heating surface, 10 cubic feet of water space, 10 cubic fost of steam Space, and five square feet of water surface,

In a locture on Electro-Motallurgy, delivered before the Bank of England Literary As-sociation, Mr. Alfred Smee expressed his belief that "if ever a battery should be dis-covered, in which coke can effectively take the part of zinc, then will the steam-engine give way to the electro-magnetic machine."

D. D. (Abergavenay).—The pressure of the atmosphere at the level of the sea will support a-column of water of about 31 feet, but varies with the state of the weather; for certainty in action, it is desirable not to have the bend of the syphon above the surface of the water, in which the short of the present of the state of the s

is above the sea level, this height must be reduced in the proportion of about I ft. for every twelfile part of an inch difference in the mercury in Jig barometer between the two levels.

7. A. Cfrinity-street, Bristol) enquires "how many mines were worked by the Southern and Western Mining Company of Ireland, and how it was they expended some 25,000. without any profit, &c. ?" We find, from the prospectus advertised in November, 1845, that the offices were No. 80, South Mall, topk Jim. W. Connol was the secretary, and Mr.; Jameson, 4, South Mall, the solicitor. Beyond the announcement that this company arose out of the preliminarily-torned "West Carbery- and County of-Cork Mining Company," and that it was promoted for working mines in the south and west of Ireland, we have no information, and shall feel obliged-to any correspondent who can supply us with any details, as many enquiries are now being made relative to the mineral development of those districts.

Ma. D. Meaner regins "The Answard."—The editor of the Artisan presents his compliments to the editor of the Mining Journal, and requests the insertion of the accompanying paragraph, from the Artison, in reply to Mr. Mushet's communication:—"Our attention has been called to a series of letters in the Mains Journal, under the signature, D. Shushet, in which the writer attempts to deny the correctness of an opinion expressed by the conductor of this Journal in 1844, on the inventions of Mr. Craddock, With the correctness or incorrectness of that equipment we will not now deal; we may, perhaps, do so on a future occasion. There is another point, however (not at all affecting that opinion), which we should like to see cleared up — Mr. Mushet states that Mr. Craddock, demurring to the opinion so expressed, repided in his usual dispassion; to state the correctness of the required a brise of letters and notice to correspondents; but Mr. Craddock a private note from the editor, stating that on five remains anything, it means that the editor of this journal require

Mr. Mushet, on the Universal Condansing Engine; Mr. Biram, on the An Mr. Pierre J. Foley, on Mining in Iroland, shall appear in next week's Jo

We must impress upon our correspondents, the necessity of invariably furnishing us with their names and addresses—not that their communications should, consequently, be noticed, but as an enriest to us of their good faith.

* It is particularly requested that all communications may be addressed-

TO THE EDITOR,

Mining Journal Office,

26, FLEET-STREET, LONDON.

THE MINING JOURNAL Mailman and Commercial Gasette.

LONDON, FEBRUARY 7, 1852.

the Mining Jouanal is published at about Eleven o'clock on Saturday morning at the office, 30, Floot-street, and can be obtained, before Twelvo, of all news agents, at lie Royal Exchange, and other parts of London.

In last week's Journal we briefly noticed the system of rating In last week's Journal we briefly noticed the system of rating copper and other mines in Ireland to the poor's rate, while in England they are exempt, and we are now in possession of the memorial there alluded to as having been forwarded to Sir William M. Sombrulle, the Secretary for Ireland, by the Mining Company of Ireland. The board of directors had previously obtained an interview on the subject of the various restrictions to the working of mines in Ireland, when Sir William requested them to address any further remarks which might assist him in the laudable endeavour to encourage the working of Irish mines, and thereby create addi-

tional employment for the labouring population. In their memorial, tional employment for the labouring population. In their memorial, they state that the company, in two cases, are unable to work mineral properties, from the difficulties in obtaining possession of mine grants, where a sufficient right of entry has not been reserved by the landlord—one under Sir H. W. Barron, in Waterford—the other from the late Mr. Barran, J.P., in Wexford. In the first of these cases, Sir Henny offered to grant his tenant one-third of his royalty—the company also paying him 40t. down as an instalment of the sum of 100t, the remainder to be paid out of proceeds. The thenry refused these aligible terms, and required 100t at one paytenant refused these eligible terms, and required 100% at one pay-ment in advance, and insisted on the condition that all stuff should be removed as raised, which the directors, as trustees for the share-holders, could not possibly agree to. In the other case the tenant denied the right of the landlord to enter the land, and having brought an action for alleged damages by the company's operations he succeeded in getting a verdict for an amount far beyond the value of any ground which could have been injured. They state that the regulations for valuing mines on which to levy poor's rate are vague and indefinite; different boards of guardians, adopting different methods, and assisted by valuers, who know nothing of mining operations, decide upon imaginary values, without reference to the rent paid—the result being that the directors are continually harrassed by necessitous appeals to the Assistant-Barrister, in which they generally succeed, thus showing how unjust is the rating, and how much fairer it would be to fix the mode of valuation on a uniform and settled basis. To show the hardship of the case, they state that in working the Luganure Mines, for instance, in the country of Wicklow, for the last 26 years at a loss, and after expending 6000% in exploring the sett, they are called upon to pay poor's rate on the profit which the guardians show they are now making; and on an appeal to the barrister, the magistrates all considered that, as the law stood, they must be taxed on the amount now produced from the mines, and refused to go back into previous years, in which it was shown the company had lost heavily by its mining operations. It appears hard that mines in Ireland should be thus unequally taxed, when compared with those of Eugland; and it is seriously felt by the proprietors in the Mining Company of Ireland, who, after having been in onegation 28 years and efforce a coposition of feedback. by the proprietors in the Mining Company of Ireland, who, after having been in operation 28 years, and after an expenditure of nearly 2,000,000\(delta\), sterling in giving employment to the poor of Ireland, having paid only a small dividend for nine years, and during the past five years nothing, are called upon to pay an exorbitant tax, from which their more wealthy neighbours here are exempt. We sincerely trust their memorial and these remarks may rouse attention in the proper quarter, and that every reasonable encouragement may be given to the working of mines in Ireland, where continuous sources of employment are so desirable. tinuous sources of employment are so desirable

A question of considerable importance was brought under discus A question of considerable importance was brought under discussion at the monthly meeting of The Banking Isstitute, on Thesday, when there was a much more full attendance than usual, Sir Moses Monterore, Bart, F.R.S., being in the chair. Mr. Dalton, the honorary secretary, read a paper "On the recent Discoveries of Gold in California and Australia, and its probable effect on Commerce and the Currency," which was illustrated by numerons interesting specimens of virgin gold from both countries, among which were three splendid pieces, weighing, probably, 14 or 15 lbs., portions of the monster lump of auriferous quartz found by a native Australian servant of Dr. Kern, on his land at Merinda Creek, in July last, weighing 300 lbs., and which produced 106 lbs. of pure July last, weighing 300 lbs., and which produced 106 lbs. of pure gold. On commencing the paper, Mr. Dalton said he had been requested to bring together a few important facts as to these extraordinary discoveries, and which would lead them to a clear investi-

gold. On commencing the paper, Mr. Dalton said he had been requested to bring together a few important facts as to these extratordinary discoveries, and which would lead them to a clear investigation of the changes which would ensue, and what might be expected to be the effect on the price of provisions and labour, the interest of money, and the currency generally, should gold continue to be found and thrown into circulation, to the extent that all the accounts hitherto received would lead us to expect. Through the courtesy of the Australian bauks, Messrs. MATTRIESSEN, of Coleman street, and Mr. Davies of Gracechurch-street, who had received large consignments, they had been enabled to place on the table as fine a collection of these specimens as probably could be found in London. The paper then proceeded to give an historical relation of the discoveries of gold in Wicklow, about half a century sines, those of California and Australia in succession; and Mr. Dalton read extracts from Capt. Easking's recent pamphlet and several periodicals, which facts have all appeared in our columns.

From all these data, Mr. Dalton had no doubt the production of gold was largely on the increase, which, if it did take place, and its standard value decreased, he believed the consequence would be an extension of the circulating medium, a diminution in the amount of discount, reduction of the rate of interest, and an increase in the price of provisions and labour. Some writers on the currency contended that a depreciation in the standard value of gold would make no change in any of the cases mentioned; but he contended that, if for instance the value of gold was reduced one-half, it would require two sovereigns to purchase the same quantity of commodities which would have previously cost only one—in fact, it would have on the income of the fundholder and persons with fixed incomes, although it was allowed the change would be gradual, and every individual would in some measure be remunerated by sharing in the increased public prosp to throw out a little necessary caution. He deplored the fact as a kind of national disgrace, that so few persons went out to our colonies who took the pains to instruct themselves in the first elements of mineralogy and chemistry, though now so easily attained, which accounted for our long habitation of a gold region without its being known until so recently. With respect to a superabundance of the precions metal, he said fears were groundless; it would only make up for deficiencies occurring in other gold-producing countries. In Siberia, for instance, gold-seeking was now a losing game, every pound's worth costing about 22s. to obtain it. In Wicklow, the poor people still found gold in the mountain streams, and about 4000f, worth a year was sold in London and Dublin from that locality. They were left unmolested in their pursuits, as the Government had proved extensive arrangements would not pay, and he feared this would be found to be the case with much costly machinery, which was now being constructed in this country. The population of the world was also increasing 1000 per day, and a constantly enlarging demand for gold must be the result.

Mr. CATRERWOOD, who had recently arrived in England from California, gave some interesting details of the nature of the country; and with respect to a very flattering picturesque view of one district which hung up in the room, and had been furnished by one of the Mariposa companies, this gentleman could not at all recognise the likeness. He said the quartz veins cropped out from the beds of the rivers, running up the mountains, and continued into the opposite valley; they varied from 2 in. to 2 or 3 ft. in width, but the narrowest generally were the most productive. Beneath the alluvial soil, which yielded gold, they came upon decomposed slate, also producing gold, and beneath which was the granite, the primary rock of the district. Although out of 200,000 persons whom he estimated to be now gold-seeking in California some were, of course, more fortunate than others, he

chievous interference with the currency. There were, doubtless, large quantities of gold, but he thought many of the calculations and expectations enormous and exaggerated, and that it would little more than meet our commercial wants. He could make no more than 26,000,000. as the total quantity of gold exported from California in four years, of which amount 19,000,000. had been merged in the currency of the United States, leaving only 7,000,000. for introduction into Europe. Whatever change did take place it must come gradually.

did take place it must come gradually.

J. W. Gilbart, Esq., perfectly agreed with the last speaker, that any change must come gradually. Whatever might be the influx of gold, it would be in a great measure neutralised by increased exportation of manufactures, importation of foreign commodities, and a regular interchange would go on in a continuous circle. To show that many of the theories of currency laid down by such writers as Col. Torrens, Rioardo, &c., were errongous he instanced the negers project with a instance are not considered with an instance of the negers are not with a instance of the negers are not with an instance of the negers are not with a project of the negers are not with a project of the negers are not with a project of the negers are not with the negers are not negers and a regular interchange. enroneous, he instanced the present period, with an immense amount of bullion in hand by the bank and in circulation, provisions were cheaper than they had been for half a century. Besides, new channels might be opened for the employment of gold; we may have more gold watches, and many articles, such as spoons, forks, and other description of plate, be manufactured from it, which had hitherto been generally made from other materials.

We understand that the Governor of the Bank of England intended to have been present, but was presented by a important operator.

have been present, but was prevented by an important engagement. The discussion appeared to create great interest to a crowed audience, and thanks having been voted to the chairman, the company separated.

We briefly noticed in our last Journal that it had been determined to establish evening lectures at the Museum or Practical Geology for artisans only, and such determination reflects great credit on the professors and officials in the establishment, who have so readily come forward to aid in carrying out the plan, and giving an opporcome forward to aid in carrying out the plan, and giving an opportunity to working men of greatly increasing their general knowledge and encouraging those habits of observation and improvement, on which the development of genius and future character so much depend. As the daytime of the mechanic is so fully employed, it has been wisely determined to deliver these lectures at 8 o'clock in the evening; commencing on Monday, next, by Dr. Lyon Platfale, on "Glass and its Composition;" on Feb. 16, Prof. Fornes on "The Utility of Collecting and Exhibiting Fossils; "on Feb. 23, "Photography and its Applications," by Mr. Robert Hunt; on March 1, Professor A. C. Ramsay on "The Utility of Geological Maps;" March 8, W. W. Smyth, M.A., on "The Mode of Occurrence of Metals in Nature;" and Monday, March 15, Dr. Percy on "Iron."

Mr. Robert Hunt, in his introductory lecture to the course on

Metals in Nature;" and Monday, March 15, Dr. Percy on "Iron."
Mr. Robert Hunt, in his introductory lecture to the course on mechanical science, strongly dwelt on the importance of cultivating habits of observation, and there is, probably, no means which could have been devised better adapted to turn the contemplative mind of the artizan and mechanic into the right path; who having once tasted the sweets of patient and thoughtful research, will be led to more persevering efforts to penetrate still further into the scientific mysteries of Nature; while the art a will be enriched, and the public benefitted by the results. In the address above alluded to, Mr. Hunt has beautifully traced the effects of careful-habits of observation; facts, frequently returning, solicit attention; new feawhile enriced, and the public benefited by the results. It the states above alluded to, Mr. Huxr has beautifully traced the effects of careful habits of observation; facts, frequently returning, solicit attention; new features, by close attention, are discovered; results which had long escaped casual and heedless glances are developed, and the mind is thus led up to the inquiry after the exciting cause. True science now begins, and the evidences of experiments are sought; a philosophical method is eventually developed, and its operations are displayed in the careful classification of observed phenomena, in the consideration of which the human mind necessarily demands the assistance of theory; and as this is constructed in accordance with true observation, or in obedience to the exuberant thoughts of an imaginative mind, so is the discovery of truth accelerated or retarded. The history of every science proves that human progress is dependent on careful observation; the devious and uncertain wanderings of the astrologer, the alchemist, and the cosmogenist, exhibit the severe struggles of truth through the mazes of imagination; while the advances made in astronomy, chemistry, and geology, are expressive of the advantages of working diligently, with a system of observation for our guide, and waiting patiently the development of truth.

of working diligently, with a system of observation for our guide, and waiting patiently the development of truth.

Dr. Lyon Playfair, also, in his introductory lecture concludes by emphatically insisting on the indispensibility of the artizans of this country having a scientific education in connection with manufactures, if we wish to outstrip the intellectual competition which now, happily for the world, prevails in all departments of industry. As surely as darkness follows the setting of the sun, so surely will England recede as a manufacturing nation, unless her industrial population become much more conversant with science than they now are. Sir H. T. De La Beche has also endeavoured to impress on his hearers the fact that the more real knowledge is diffused, the more will effective practice be increased; science and practice are not antagonistic, but mutual aids—one advances the other; civilisation advances science, viewed in all its structness, and science by its application advances civilisation. In the establishment of this school of miners and working men's lectures there is evidently an earnest desire, as far as power and ability will permit, to promote the progress of those to whom this teaching has special reference, supplying a national want, and thus advancing the general good of the country.

To all those who feel a desire for the advancement of the mechanic and artizan of this country in scientific knowledge, it will be gratifying to be

artizan of this country in scientific knowledge, it will be gratifying to be informed that the efforts made for their instruction have been well appre-ciated; the whole of the tickets for the above lectures, necessarily limited, cated, the whole of the treates for the above rectures, necessarily limited, as the theatre will only hold 450, having been appropriated, numerous applicants still being unsatisfied, and others continually appearing. Under these circumstances, the council have decided on repeating the course after Easter, of which due notice will be given, and thus, as far as circumstances within their control will allow, rendering their efforts of the greatest public utility. The registration fee to the entire course is but sixpence, but applicants will have to show that they really are artizans.

For a considerable period public attention has been directed to the various enterprises which have been projected for developing the auriferous deposits which undoubtedly exist in the two modern. "El Dorados," California and Australia; and though we would by no means depreciate the importance of these gigantic discoveries, nor undervalue the magnitude of the projects which are put forward, by the promoters of the several companies, yet we would gently remind the mining community, that while they seek wealth across the ocean they should not neglect the acquirement of it at, home, inasmuch as the acquirement of it there is used for the purpose of promoting and encouraging British industry, instead of enriching the coffers of aliens. The staple mineral productions of Great Britain are coal, iron, and copper; from these she has derived a great acare coal, iron, and copper; from these she has derived a great accession of wealth, and that pre-eminence which she possesses in her

One of the first companies ever instituted for the prosecution of these sinews of our wealth was the "Governor and Company of Copper Miners in Eugland," originally incorporated in the year 1691. After a variety of fluctuations, in the year 1847, owing to the pressure of the crisis, it was forced to mortgage its property to the Bank. In the year 1848 it suspended payment; in the last Session of Parliament an Act was obtained which authorised the company to effect an arrangement with its former creditors and stockholders,

of Parlament an Act was obtained white authorised the company to effect an arrangement with its former creditors and stockholders, by which means the existing capital was reduced from 1,250,000L to somewhat less than 300,000L; a power was given to raise a new capital of 200,000L, in 18000 preference shares, of 25L each; and a further sun of 100,000L, in 1800 preference shares properly extends over 4000 acres of land. The capper-works, to which a rolling-mill is attached, are capable of preducing upwards of 2500 tons of refined copper per annum. The iron-works turn out about 30,000 tons per annum of finished railway bars and other iron, in addition to that raised for the making of tin plates. The tin plate-works, which are carried on by water power, make about 75,000 boxes of tin plates yearly. To these are attached chemical works, for the production of the materials employed in the manufacture. Ou the property there are about 1000 houses and cottages, tradesmens shops, public houses, and a public market, which return a nett annual rental of from 4000L to 5000L. The collicties abundantly possess the well-known and valuable mineral "black-bazds." The works possess good roads, water-power, and easy and expeditions

ransport to and from the port by means of railroad. Our limits will not allow us to enter here into a more detailed description of the property. An outlay of about 700,000l. has taken place, in order to bring the works to their present state of perfection, and those subscribing new capital will become proprietors at a nominal value. It must be borne in mind that one of the great features in this company is that it is one incorporated by Royal Charter, and, consequently, the shareholders incur no liabilities for the company. and assuming the worst, they can only be re-

one of the great features in this company is that it is one incorporated by Royal Charter, and, consequently, the shareholders incur no liabilities for the debts of the company; and, assuming the worst, they can only be responsible for the amount of their subscription—the Joint-Stock Companies' Act in no way dealing with the constitution of this ancient body. A certain amount of money is required to redeem the property and to form a working capital. No outlay is required for buildings, works, or machinery—all is in the most perfect order; and if in the absolute possession of the Governor and Court of Assistants, would be immediately making returns. It is free from the disadvantage of being situated in a distant and foreign locality; and if any doubts arise as to the prosecution of the investment, the question can be personally solved in 24 hours. An organic change has taken place in the governing body of the company. Experience has shown them the errors which their predecessors have committed, and the means to avoid them; and we cannot doubt but that they will avail themselves of the knowledge so acquired.

The property, if economically and energetically prosecuted, cannot fail to be one of the most successful in the United Kingdom, possessing as it does all the capabilities of nature and science to render it such; and as an investment, we would recommend many of those who desire to embark their little capital in foreign lands to pause, and see if they cannot find as eligible means of speculation at home, where they may not only reap a good interest for their money, but likewise feel the satisfaction that, while protecting and fostering native industry, they are a part and parcel of those who give employment to thousands of their fellow-countrymen, as the Governor and Company of Copper Miners have done "time out of mind."

On reference to the Journal of the 27th Dec., 1851, a notice will be found, with diagram and plan of the proposed City and Clerken-well improvements, and the extension of all the Loudon railway termini into one central spot. Mr. Pearson, the City solicitor, who has so prominently brought forward the subject, a few weeks since visited, with a large number of gentlemen connected with the corporation, the working model of Messrs. Cunningham and Carter's new mode of propulsion on railways, and all felt so satisfied of its practicability on a proper working scale, that it was determined to take the professional opinion of an experienced engineer, in the shape of a report, upon every item of construction and working details. of a report, upon every item of construction and working details. John Chapman, Esq., C. E., of the East Indian Railway, was chosen for this purpose, who has carefully entered into the merits of the system, and furnished a thoroughly impartial and elaborate statement on what he considers would be the capabilities of such a railway on a full working scale. After showing the several essential portions of which the invention consists, it is assumed, that if the distance between the successive pairs of air engines were not greater than the length of the shortest train, the question is reduced to that of the cost of power generated in stationary steam-engines, and applied to the trains by means of the air-engines, as compared with plied to the trains by means of the air-engines, as compared with that of locomotives. Upon this assumption, 30 pairs of air-engines per mile would be required, and supposing the power necessary to be equal to 12 horses per mile for 24 hours, or 24-horse power per mile, if worked during intervals, amounting to 12 hours per day, equal to a 240-horse power engine, at every 10 miles, the interest of extra capital, in addition to every working expense, fuel, encircular televisides. of extra capital, in addition to every working expense, fuel, engineers, stokers, drivers, &c., amounts to 8.8 pence per train per mile—the generally admitted average of the locomotive being 10d. per mile. But working on the principle proposed by the patentees, when a train is not of sufficient length to be within the grip of two pair of nirengines at once, but must rely on the momentum it receives from one pair to carry it on to the propelling action of the next, Mr. Chapman now takes out every alternate pair of engines, and after a careful calculation of the loss of velocity sustained while a train is not in grip, and every disadvantage—more, in fact, than he thinks would accrue in practice—the estimated cost of 40 trains per day is reduced to 4.3 pence per train per mile, to which add 0.78 pence interest of extra capital, gives 5.08 pence per train per mile, or about one-half of locomotive cost. In these calculations Mr. Chapman takes the formula of Mr. Robert Stephenson, that a locomotive eignine expends as much power in moving itself as would propel 15 ordinary loaded carriages, and Mr. Wyndham Handino's rule for the resistance of railway carriages on a level; and clearly shows that in popucitive engine expends as much power in moving itself as would propel 15 ordinary loaded carriages, and Mr. Wyndiam Harding's rule for the resistance of railway carriages on a level; and clearly shows that in populous neighbourhoods the locomotive cannot profitably work those small and frequent trains, which tend so much to public convenience, but in this system of propulsion the duty of working such trains would be equalised; and in thinly populated districts, where a line must be cheaply worked, or not at all, railways on this principle might be profitably established, where the expense of the locomotive engine would prevent its introduction. Having satisfactorily combatted any objections which have been, or might be made, such as the suddenly putting the air-engines from a state of rest into rapid action, and shown that in the mechanical arrangements of the system mothing impracticable exists, but all the disadvantages of the atmospheric system with the longitudinal valve are avoided, Mr. Chapman concludes by stating that his original impressions were adverse to the plan, but have been entirely changed by his inquiries made upon data supplied by authorities of the highest character, though advocates of a different system before the invention was in existence. He can see nothing in the nature of the means employed likely to neutralise the great advantages which he believes to be inherent in the system, and considers the conclusions he has come to likely rather to fall short of than exceed the success which, under actual experience, the system is likely to achieve; sees no difficulty in the character and details of the machinery, and believes that its introduction would greatly increase public convenience, economise railway transit, and produce highly satisfactory profits to those who may promote its use. For such a centralisation of railways as Mr. Pearson's soleme suggests, locomotives, vomiting fire, smoke, and steam through the streets, would be perfectly inadmissable; while CUNNINGHAM and CARTER's system i

Improved Boiler for Marine Engines.—At the Institution of Mechanical Engineers, Mr. Andrew Lamb (of Southampton) described a new boiler, the peculiarity of which is that narrow lines are substituted for the ordinary tubes—the advantages being that, while it possesses an equal amount of heating surface in the same space as tubular boilers, it is free from the evil of choking with inside deposits of soot and ashes, because the flues being in one sheet for their whole depth, the deposit falls into the bottom of the flues, and from the great draft is swept through into the uptake, and hence into the chimney.

Messrs. Murdoch and Aitken, of Glasgow, have adopted a new invention for the consumption of smoke, which is valuable as being applicable to beliers in use by the simple addition of a piece to the front, containing a new furnace. A chamber between the back of the new furnace and the front of the old boiler gives admission to a certain quantity of atmospheric air, by which means the smoke is so effectually consumed that even with hard firing, it is scarcely perceptible at the top of the chimney-stalk. The estimated cost of the improvement is between 25t, and 30t, but even this expenditure, trifling as it is in comparison with the good to be achieved, is met by increased steam-power. In the boiler at Messrs, Murdoch and Alitken's works about two-horse power extra has been obtained—an important advantage, and one which will go far to remove the stumbling-block of expense from the way of parties who have as yet manifested considerable coolness in aid of the movement being made to obtain the benefit of a purer and healthier atmosphere.

DAMAGE FROM THE SMOKE OF PATENT FUEL WORKS.—A case was recently tried in the Swansea County Court, before Thomas Falconer, Esq. the newly-appointed judge, in which Margaret Hughes, and Thomas Owen and wife sought to recover damages against the Patent Fuel Company, for injury done to their fruit trees and vegetables by the smoke from defendants works. The damage was distinctly proved, but the defence was that if it was a nuisance, it was a public one, and, therefore, publishable only by indictment. After some remarks from the judge, who called attention to the beneficial effects of County Courts, and hoped the jury would assist him to preserve their authority unimpared, a verdict was given for the plaintiffs—damages 40s.

Large quantities of manganess over have been found near Vicagenatum and

Large quantities of manganese ore have been found near Vizagapatam and

THE WINDING-UP ACT-IMPORTANT POINT.

The Northern Coal Company's affairs were brought before Master Tinney on Satur-day, when a question was raised in consection with the Scotch law of sequestration, and the case of Mr. Gilbert Laurie Findlay. The facts were as follows:— It appeared that day, when a question was raised in consection with the Sostch law of sequestration, and the case of Mr. Gilbert Laurie Findiay. The facts were as follows:— It appeared that Mr. Findiay itad been a 'trader in Edinburgh, and had become a holder of 50 abares in the Northern Coal Mining Company, but became bankrupt in December, 1847, and died in May, 1850. When the case first cause before the Master, he decided, after a protracted discussion, on placing Mr. Findiay on the list of contributories, in respect of the 50 shares; but after a lapse of some time, his solicitor appeared, said satisfactority proved to his Honour that Mr. Findiay had been a bankrupt at the time stated, whereupon his name was struck off, and that of his trustes, Mr. James Brown, a colictor, and also of Edinburgh, was substituted, and held to be hable to the payment of the calls and arrears of calls on the 50 shares in question, but to the extent of assets only, in accordance with the decision of the late Lords Commissioners in Chancery. In this state matters stood for a considerable time, Mr. Brown paying no attention to the proceedings going on in the Master's office in connection with himself, and, of which he had had due notice. However, on Saurday last, his solicitor appeared for him, and contended that Mr. Brown had administered to the bankrupt's satate, and disposed of the whole of the assets: he then took the steps required by the Soctol law of sequestration in such cases—namely, he sont in his patition to the sheriff, in which he set forth the fact of his having administered the whole of the bankrupt's satate, and disposed of the whole of the assets: he then took the steps required by the Soctol law of sequestration in such cases—namely, he sont in his patition to the sheriff, in which he set forth the fact of his having administered the whole of the bankrupt's satate, and disposed of the whole of the sate of the sate

CAMERON'S COALBROOK COMPANY-WINDING-UP.

Mr. Bagley appeared as counsel for Major Stone before his Honeur Master Richards on Saturday, for the purpose of substantiating a claim and proving a debt for 3600?
Which had arisen in the fellowing manner:—The claimant, Major Stone, in February.

on Saturday, for the purpose of substantiating a claim and proving a debt for 3600l, which had arisen in the following manner:—The claimant, Major Stone, in February, 1346, lent the company 3000l, and be received, in the following April, a bill of exchange for the amount, payable at als months, but it had never been discharged since. Mr. W. Galsworth appeared on behalf of the official manager, but he had not yet been able to have the books ready, or a list of alleged contributories wands out.

Mr. Hancock contended that the Master-could not make any order, or take any step whatever in respect of this debt, until the list of sileged contributories be laid before him, and he referred his Honour to the section of the Act upon which he relied as his authority for his statement.

Mr. Lewis, for the secoding shareholders, stated that this bill of exchange had already been made over to Mr. Burton, who had commenced an action for tise recovery of the amount; and until that action should be denumenced an action for tise recovery of the amount; and until that action should be decided, the Master could not take the step now asked for, because if he did there would frem be two claimants for the same sum. He considered this a sufficient ground for sijourning the question. Besides, there were a great many persons who had been shareholders in this company, but who had gone out off it in 1849, and who had paid up all claims against them up to that time, and if would be too bed if they should be now called upon to pay any portion of this sum.—Mr. Bagley said he had no objection to an adjournment, provided this was admitted as a claim.—The Master observed that the action at law would be decided into great proceeding before any proceeding before any proceeding before the manager of the control the could be to allow it as a claim.—Mr. Bagley said the had no objection to an adjournment, provided this was admitted as a claim.—The Master, after some further discussion, decided upon a privation of this sum.—Mr. Bagley said.

—A solici

make a call upon any singleone of the contributories for the whole of the money required by the official manager.

A solicitor, on behalf of Mr. Atkinson, appeared before Master Richards yesterday, and stated that he now produced the affidavits of his ellent, in which were set forth the whole amount of the debt due to him, and the particulars in full. Altogether he claimed \$322. 9s. 114; but though this large sum was due for his services as manager of the works, he had been unable to get any money, and he was now actually living upon nothing.—Mr. Hancock said that for some time past the unanager had had nothing to manage. In answer to the Master, he said he had several objections to make to the items composing this debt, and that those would be found to be bad file objections.—Mr. Atkinson's solicitor said his ellient was placed in this position—that though he was the manager of the concern, he was receiving no salary, yet he was obliged to remain on the spot.—The Master said that, as the official manager was not yet in a position to come before him, he could not otherwise deal with this demand than as a claim, subject to any objections which might hereafter be made to it.—Mr. Hancock said he had no objection to the being admitted as a claim,—Mr. W. Galsworthy said that Mr. Williams had also some claims against the company for costs; but he was at present out of town, so that nothing could be done with them until his return.—Mr. Hancock, in answer to a question from the Master, said that is believed some negociation was going forward for a sale of some of the moveable property, which Mr. Cameron was willing to permit, if his debt should be allowed as a claim,—Mr. W. Galsworthy from hinded in the report of the official manager on the result of his visit to the mine, and the Master took it, and said he would read it over.—The parties then withdrew.

GERMAN MINING COMPANY-WINDING UP.

The official manager (Mr. Norris) appeared before Master Tinney, yesterday, for the purpose of having Mr. Stone's name removed from the list as personally liable in respect of four shares, and put on as creditor's assignce.—Mr. Wood appeared on behalf of Mr. Stone, and stated that that gentleman had appeared against his Honour's decision, which was given in April, 1850; and Sir Knight Bruce, after hearing the whole of the oridince elicited before the Master, decided that Mr. Stone was not liable, and sent the case back to his Honour to review.—Mr. Norris said, his Honour would now have to put Mr. Stone on as creditor's assignce, and the official assignce, Mr. W. Pennell, as well.—In answer to a question from the Master, he said that no offer had as yet been made for the finite; but he had succeeded in reducing the expenses of the working of the concern by nbont 1901, a year.—Mr. Wood said, he did not consent to Mr. Pennell being put on, butwould not oppose it.—Mr. Pennell's name was then put on, of which he is to have notice. The official manager (Mr. Norris) appeared before Master Tinney, yesterday, for the

ENCUMBERED ESTATES, IRELAND .- There can be now but little doubt tha the bill for regulating the sale of encumbered estates in Ireland, and which secures a bona fide title to the purchaser, is calculated to advance the prosperity of that country, secure employment to the peasantry, and raise them to their proper position in the social scale. Although among the many purchasers of estates under this Act, only one or two have yet become residents, the proof which these few are able to give of the perfect security which exists for both life and property, and of the remunerative character of the soil for the outlay, will induce others to follow the example, and go far towards the perfect regeneration of the population. One instance in particular is mentioned of an estate beautifully situated, but an a wretched state of farming, bought at ten years purchase. The first step was to get the small tenants off the land by forgiving their arrears of rent, paying their rates and taxes, and purchasing their lessings of the poor creatures, many of whom were thus enabled to emigrate to America. This estate is now in a most thriving condition—provisions and even Juxuries are exceedingly cheap; and this resident proprietor lives in a cottage without lock or bolt, and sleeps on the ground-floor, without shutters to the windows. We have now before us the particulars of some most eligible property, situate in the county of Cork, to be sold in the city of Cork on the 20th inst., being the fee simple estate of R. H. H. Beeher, Esq. This property will be sold in 12 lots—the first consisting of the fee of the mines of copper, lead, and other minerals, in the lands of Clohane, Quorisk, Mount to their proper position in the social scale. Although among the many pur eligible property, situate in the county of Cork, to be sold in the city of Cork on the 20th inst., being the fee simple estate of R. H. H. Becher, Esq. This property will be sold in 12 lots—the first consisting of the fee of the mines of copper, tend, and other minerals, in the lands of Clohane, Quorisk, Mount Gabriel, Letter, and Knecknaclovane, situate at Mizor Head, extending over 1856 acres—the royalties being 1-17th on the two-former, and 1-15th on the three latter, not far from Ballydehob, and in the neighbourhood of the Berechaven and Allihies Mines; they are leased to a company for 31 years, say of which have expired. Lot 2 consists of the townland of Derrynatra; also unineral land, consisting of 497 acres, near Skull, the southern portion bounded by Long Island Channel; and it is believed the Cosheen lodge run through the property. Lot 3, 4, 8, 9, 10, and 12 comprise Holybrook House and demesne, the residence of the owner (Mr. Becher), 196 acres, 703 acres of land nem Ballydehob, 211 acres adjoining the Holybrook lands, and 690 acres near Skibbereen, among which are some valuable turbaries and covers for game. Lots 5 and 6 consist of 150 acres, adjoining Crookhaven Harbour, so admirably situated for a trans-Atlantic packet station. It holds out great inducements for building marine villas, and rich copper ore has been discovered on this portion of the property. Lot 7 consists of 522 acres of land at Coolbay, valued at 1422, per annum, of which 46 acres are turf, valued at 18004; and lot 11 comprises Carbery, Furze, and Horse Islands, in Dunmanus Bay, containing 42 acres, valuable as salt marshes, for feeding horses and black cattle. The whole property extends over 3014 acres I rood 32 poles, liable to a rent charge of 1100. 3s. 1d., and valued, exclusive of turbary and plantation, at 12994 19s. per annum. The district in which the principal portion of this property is situate is remarkable for its fine harbours, abounds in mineral wealth, its coasts presenting extensive and valueble fishing grounds, a ON THE MINERAL FEATURES OF CERTAIN DISTRICTS OF CONNEMARA, COUNTY GALWAY .- No. III. BY PIERRE J. FOLEY, M.R.

OF CONNEMARA, COUNTY GALWAY.—No. III.

BY FIERRE J. FOLEY, M.E.

The limestone stratum of Connemara contains a great number of metallic deposits, the most numerous being ruke veins, or vertical fractures. These veins, for the most part, ran parallel to each other, having pipe-veins crossing them at right angles. The geological formation is almost everywhere impregnated with sulphurets, which in some districts arrange themselves in immense metallic veins, holding rich deposits of lead ove. There are courses and lodes to be noticed which have a relation to the larger deposits. The geological formation from Galway to Cliffien is mountain limestone, consisting principally of carbonate of lime, encrisital limestone, granwacke slate, and syenite, with masses of greenstone and hornblende; the prevailing ore of this formation is galena of a rich description, averaging from 60 to 78 per cent. The veins are generally inclining; to the perpendicular, sometimes longitudinal, swelling from a small beginning to a large mass, increasing and decreasing in depth and distance.

The pipe veins, which cross the rake veins at right angles, are filled with sulphuret of zinc, of a reddish brown celour, crystallised in a variety of forms, sulphuret of barytes, or cawk, in beautiful crystals, fluor-spar of a green, red, and purple colour, beautifuly aggregated together, and limestone spar, in large crystals. As the veins run at right angles to each other, they often meet, and cause a displacement, called "heaves." In the Glengola Lead Mine the veins are interstratified with hornblende, which breaks the regularity of the series; it is when the ore comes in contact with these dykes that the metal is to appearance for ever cut off, but by sinking or driving through these interruptions the lost ore will be found again in large bunches of solid metal. The dykes, for the most part, are enclosed in the run of the country rock, which I consider causes the large enclosed in the run of the country rock, which I consider causes the large of galen

oyster beds of Clareville; the conclusion is obvious—that this part of Cal-way was formed by the waters of what, perhaps, was once called Conne-mara Bay. There are other mineral districts in this range, which shall mara Bay. There are other mineral districts in the area of the claim attention in my next communication.—Oughterard, Jan. 21.

IMPROVEMENTS IN COMPRESSING, DRYING, AND COKING PEAT.

The peat bogs of England and Ireland are at the present day attract-The peat logs of England and Ireland are at the present day attracting such general interest, that any improvement in the preparations of peat, or scientific suggestions relative thereto, must be considered valuable, as tending to its beneficial development. In this spirit, our esteemed correspondent, Mr. Henry Dircks, of Moorgate-street, has forwarded usuadescription of a peculiar pressing-machine, and drying or coking furnaces, which may suggest improvements and modifications, and which not being patented are open to the public, and to any alteration that may suggest itself on practical swelloutions.

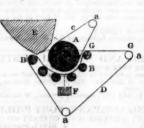
patented are open to the public, and to any alteration that may suggest itself on practical application.

In the preparation of peat two processes are followed—1. That which secures all the chemical products—and, 2. That which dispenses with them, and obtains only peat charcoal, or otherwise simply compressed peat.

It is to this latter process that the invention principally applies, though in part it will answer for the first, particularly so far as relates only to the pressing and drying. A continuous and cheap process is the great desideratum. If cost were less an object, machinery of a most effectual character could readily be devised, but the difficulty is to obtain speed and power to compress tons of an article like peat, tenacious of moisture, stubborn to press, and difficult to dry artificially in quantity in a short space of time. The present plan provides that the labouter shall throw his peat from a barsow into a hopper, and that by the aid of a small steam-engine it shall be into a hopper, and that by the aid of a small steam engine it shall be compressed by a peculiar arrangement of rollers, hereafter described, and be conveyed thence by stout canvas bands to unother hopper leading to a be conveyed thence by stout canvas bands to another hopper leading to a drying oven, where, meeting with a series of endless chain-work, the compressed peat is taken through one, two, or more inclined hot-air flues, and so delivered dry; or by a continuation of the same arrangement of furnace, but one heated accordingly; the dry coke dropping into this second or coking furnace is scraped or drawn along one, two, or more inclined flues, of a temperature sufficient to charr it thoroughly.

From this description, it is evident that the process may be stopped at the mere pressing, to be afterwards dried in the open air, particularly during the summer season; or it may be stayed at the drying, or baking, in the first furnace; or it may be finally coked. Again, the first and second process will apply where retorts are used, and the chemical products are required to be retained.

The press is one of peculiar construction, consisting of one central large



The press is one of peculiar construction, consisting of one central large roller, A, from 1 foot 6 inches to 2 feet or more in diameter, and perhaps 2 ft. to 3 ft. long. Around this are placed six lesser rollers, B, B (say) 4 to 6 inch. in diameter—the first 6 in. apara

a diameter—the first 6 inc. apars from the main roller, the next 5 in., and so on, until the sixth roller leaves only a space of 1/in., or thereabouts, between it and the large roller. Two endless bands of the very strongest canvas or sacking, C, D, are stretched on these rollers a large hopper. E, is fixed, within which are two wooden rollers, farmished with iron spikes, to tear and mash the peat; while at the top it is stamped mechanically or by hand, to drive it in between the first roller, B, where, when it once gets a hold, the revolving of the bands will carry it forward. It is expected that in this way the peat may be compressed to one-sixth its bulk, or to any other gauge, by the rotary action of this press, in which the canvas bands serve only as guides to retain and carry forward the peat, and to drain off into a trough, F, below any moisture that will flow under such compression. The engine power is applied only to the great centre roller, the small ones revolving simultaneously with it by the action of the bands and the peat, delivering the latter at G, G. The two canvas bands are kept taught by the wooden rollers, a, a, a. At the delivery end, G, suitable cutters may be placed, to divide the peat into regular shaped pieces.

The daying and the coking furnaces differ only in temperature, both

two canvas bands are kept taugut by the cheed, to divide the peat into delivery end, G, suitable cutters may be placed, to divide the peat into regular shaped pieces.

The drying and the coking furnaces differ only in temperature, both being heated with peat, consumed in proper fire-places at bottom. They are built with their flues one over the other, so as to appear zig-zag in section. Within these are endless chains, worked over pulleys, and so arranged that the bars between them scrape the entire lower surface of two flues; therefore a furnace of four flues requires two such machanical arrangements of scrapers. They are in form like a ladder—the two ends joined, the sides jointed, and the steps forming the scrapers, which, travelling through the hot flue, keep the peat in constant motion, and constant change of place and temperature. And it is believed that it might, travelling at a moderate rate, turn out several tons per day, quite dry; or this might be facilitated by blowing air through the flues, at such a rate as should not materially cool them.

From the above description, we have no doubt our mechanical readers will very easily comprehend the principles of the machine and the overs. It appears to us to be well adapted for the purpose, and for economically, preparing the peat for various chemical processes, as well as producing a chenp and valuable coke; and as the arrangements can be made subject to numerous modifications, we shall be happy if the suggestion is productive of beneficial effects.

The Liter Trade in France.—Recent letters amounce a remarkable a literation in the position of the metal founders in the department of the La All the frommasters are in full work, and fires which were extinguished some years are again lighted. The orders arready received from the new Ly and Avignon Railroad Company afford promise of a most propperous season



pio Patente.

ANTED DURING THE PAST WEEK.

J. M. Ritter von and a survey-street, Strand, for certain improvements in the locks of firm-arras and cannon, and in gan matches, or in the mode of igniting gunpowder used in guns, and in machinery for manufacturing the same.

W. Smith, Kettering, Northampton, for improvements in apparatus for cutting or breaking lump sugar, and other vegetable substances.

A. V. Nowton, Chanosry-lane, for improvements in manufacture of pigments or paints; also for improvements in meininery for waving coach lace, Brussels tapestry, and relvet carpeting, and other piled fabrics.

E. Highton, Clarence-villa, Regent's-park, for improvements in electric telegraphs.

W. Longmald, Beaumont-square, for improvements in obtaining gold.

O. Williams, Stratford, Essex, for improvements in preparing compositions to be used in railway and other structures, in substitution of iron, wood, and atone.

C. Cowper, Southampton building, Chancery-lane, for improvements in multiplying motion applicable to steam engines, and wmills, and other machinery in which an increase of velocity is required.

W. Mondbauk, Gerrard's-cross, Bucks, for improvements in agricul-

of velocity is required.

M. J. Roberts, Esq., Woodbank, Gerrard's-cross, Bucks, for improvements in agricul-

M. J. Roberts, Esq., Woodbank, Gerrard's-cross, Bucks, for improvements in agricultural instruments.

A. Heddard, 25, Rue Tait Bout, Paris, France, for improvements in propelling and navigating ships, boats, and vessels, by steam and other motive power.

J. H. Read, late of the 17th Lanceners, Harrow-road, improvements in propelling vessels.

R. A. Brooman, of the firm of J. C. Bobertson and Company, Fleet-street, for improvements in the purification and decoloration of oils, and in the apparatus employed therein.

W. Squire, High-Holborn, late/of George-street, Euston-square, for improvements in the construction of pianofortes.

F. P. Thompson, Waterworks-chambers, Orange-street, Trafalgar-square, for improvements in the springs of railway carriages, trucks, and waggons.

S. C. Lister, and J. Ambier, both of Manningham, Bradford, York, for improvements in preparing and combing wool and other fibrons materials.

E. C. T. Croatelle, Riesins, for certain improvements in machinery or apparatus for preparing woollen threads and other filaments.

R. Hesketh, Wimpole-street, St. Marylebone, for improvements in apparatus for resecting light into rooms, and other parts of buildings and places.

P. Clausen, Greslam-street, for improvements in the manufacture of saline and metallic compounds.

mical Works, Frimley's lane, Rotherhithe, for improvements in re-

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

DESIGNS FOR ARTICLES OF UTILITY REGISTERED.

T. Fotherby and Son, Leeds, setting up brush.—J. Shaw, Southover Laves, driefult dressing machine—H. A. Hall, Spalding, pump and fire engine.—T. H. Ryland Birmingham, joint for parasol handle.—H. Field and Son, Glasgow, domestic gas apparatus.—A. Hewlett, Burlington Arcade, callendrum (wig).—T. Woolbey, Nottingham parts of the action of a piano-forte.—T. Bedington, Birmingham, inst and coat guard.—J. Jacquier, Wool-street, Spitalfields, Jacquiard machine.—Wolf and Baker, Sambrook-court, revolving fusses box.—W. Jefford and S. Turner, New Radford, Nottingham, improvements in twist lace brass-bobbins.—S. F. Cottam, Manchester, bearings for spindle of spinning, doubling, and winding machines.—T. Smith and Sons, Birmingham, wick-holder and elevator for Argand lamps.—J. H. Fiedler, Addle-street, travellers' expanding bag.—M. Hyams and Co., Long-lane, Exhibition cigar.—J. Warner and Sons, Jewin cruscont, high-pressure valve.

PROVISIONAL REGISTRATION.

G. Metcaife, Algarkii, hear Spalding, steam-wheel.— R. Jacobs, Cockspur-street, lamp r candle shade.—G. F. Phillips, Nassau-street, diasonicter, for measuring heights, and widths of objects.—F. H. Elwin, Lincoln's inn, lath sails.—Mechanics' Mag.

DEVON AND CORNWALL MINERS' GOLD COMPANY,
OFFICES,—No. 38, MOORGATE STREET, LONDON.
Notice is hereby given, that a MEETING of the COMMITTEE of ALLOTMENT will
take place on Monday, the 9th of February, and that immediately after that day the
allotment letters will be issued.
By order of the board,
GEORGE BUDGE, Secretary.

DEVON AND CORNWALL MINERS' GOLD COMPANY, FOR MINING IN AUSTRALIA.

The Directors have the pleasure of announcing that NEGOCIATIONS are now preceeding for the APPOINTMENT of W. G. GARD, Eaq., of the Devon Great Consolidated Mining Company; and if completed, Mr. Gard will be dispatched by the Australian Mail Packet, advertised for April.

38, Moorgate-street. By order of the board, GEO. BUDGE, Secretary.

USTRALIAN FREEHOLD GOLD MINE .- The Committee of Management of this mine are about to ENGAGE TWO competents
PERSONS to TAKE CHARGE of the MINING OPERATIONS on their ESTATE at
LAKE BATHURST and at MELBOURNE.—Written proposals from any Gentleman
having a thorough knowledge of gold quartz mining will be received at the Offices of the
Company, if accompanied with testimonials and references. No personal application can
be attended to.

By order of the Committee of Management.

WM. FULSFORD, Secretary

Temporary Offices, 10, Old Jewry Chambers, Feb. 3, 1852.

ENGLISH AND AUSTRALIAN COPPER COMPANY.

Capital £300,000, with powers to increase to £450,000.

Notice is hereby given, that APPLICATION has been made to Her Majesty's Most Honourable Privy Council, praying for the INCORPORATION of the above COMPANY by ROYAL CHARTER, for the purpose of saselting, extracting, reducing or refining, purchasing, selling, and otherwise dealing in ores, minerals, and metals, with powers to purchase and hold landed estates in Great Britain or Iroland, or in South Australla, or any after colony, and to let the same on lease, or to sell portions thereof, as may be deemed expedient; and that the said application has been referred by Her Majesty to the Committee of Privy Council for Trade and Plantations.

ANDREW STOREY.

17, Featherstone buildings, Holborn, London, for C.S. Gilman, Norwich.

DORT PHILIP AND COLONIAL GOLD MINING PORT PHILIP AND COLONIAL GOLD MINING COMPANY.—Capital £160,000, with powers to increase to £300,000.

Notice is hereby given, that APPLICATION has been made to Her Majesty's Most Honourable Privy Council, praying for the INCORPORATION of the above COMPANY by ROYAL CHARTER, for the prosecuting of mining in the colony of Port Philip, in Australia, now called Victoria, or any other of the British Colonies, by working mines, pits, and quarries therein, with powers to purchase and hold landed estates in Great Britain or Ireland, or the said colony of Port Philip, or any other colony, for the purpose of developing the mineral resources thereof, and in furtherance of the objects of the said Company to let such estates, or sell the same, or portions thereof, as may be deemed expedient; and that the said application has been referred by Her Majesty to the Committee of Privy Council for Trade and Plantations.

17. Featherstone-buildings, Holborn, London, for C. S. Gilman, Norwich.

17. Gracechurch-street, Feb. 4, 1852.

THE MELBOURNE GOLD AND GENERAL MINING ASSOCIATION—ON THE COST BOOK PRINCIPLE.

A Company is in the course of formation, having for its object to explore and work the gold deposits in the south-eastern district of Australia. The prospectus, with an influential direction, will be published forthwith.

W. F. ELLABY, Secretary pro tem., Walbrook.

VICTORIA GOLD MINING COMPANY, PORT PHILIP,
AUSTRALIA.—The ALLOTMENT of SHARES in this COMPANY will take
place on TUESDAY NEXT, the 10th inst.

J. HIATT, Secretary 7, 1852.

ROCKY-BAR MINING COMPANY, CALIFORNIA.

Capital 10,000 shares, of \$100 each, or \$1,000,000.

BOARD OF DIRECTORS FOR 1831.

PHILO D. MICKLES, President, New York.

GEORGE S. FITCH, Treasurer, New York

EDWARD C. DELAVAN, New York

Hon. JOHN YOUNG, late Governor of the State of New York, and now

Assistant Treasurer at New York, New York

HARVEY EVERETT, Orange County, New York

Hon. R. H. WILLIAMS, Yates County, New York

OREN COLTON, Philadelphia

JAMES STANTON, California

JAMES DELAVAN, California

SAMUEL B. WOOLWORTH, Jun, Secretary.

OFFICE,—20, MERCHANTS' EXCHANGE, HANOVER-STREET, NEW YORK.

This is the only completely organised Company in the Atlantic States for Quar

This is the only completely organised Company in the Atlantic States for Quartz Mining in California. It possesses two of the largest and most valuable locations in that State—one situate at Rocky-Bar, on the middle fork of the American River, about 70 miles from Sacramento City, and the other at Massachusets-hill, Grass Valley, No-

To have from constant to the company's property in the following September.

Machinery of the most powerful and efficient kind was shipped from New York on the 10th March, 1851, arriving on the Company's property in the following September.

According to the advices received by the Executive in New York, this machinery was expected to be in full operation on the lat January of the present year. With a view to permanently introducing this undertaking in England, arrangements have been concluded by which 1000 shares, or one-tenth of the Company, will be offered

have been concluded by which 1900 shares, or one-tenth of the Company, will be offered to English capitalists.

Prospectuses, containing a full statement of the position of the Company, with forms of application, can be obtained of Mr. George E. Seymour, 38, Throgmorton-street (on and after Menday, the 2d inst.), who is authorised to negociate the sale of the shares, and to feliver the certificates therefor.

GOLD MINES.—W. CROSSKILL, Ironworks, Beverley, Yorkshire, has on show, and in motion when required to prove their capabilities, has no show, and in motion when required to prove their capabilities, has PATENT MILLS to GRIND MINERAL ORES. Two milts will grind two tons of rold ore per hour to powder with eight houses. W. C. will also furnish steam-engines, with very simple boilers, to raise steam by either wood or coal, mounted to work on carriages, so that no one carriage has to carry more than 30 cwts. W. C. will engage to untains the whole, with deplicate grinding parts warranted to grind 50,000 tons of ore, or the sum of £1600. The wearing parts can be replaced for 2d. per ton of ore. The mills are so simple and strong that they cannot be broken. Duplicate wearing parts can be found to be compared to the control of the

TO GOLD DIGGERS & MINERS.—WALKER'S PATENT MINERAL STAMPING and WASHING MACHINES, enabling every man to do his own work. Machines upon this principle may be worked by men, cattle, or steam, affording every facility for large or small companies to clean their ore at a small cost.—Steam-sugines from 4 to 40-horse power.—13, City-rose'.

Incorporated by Royal Charter of 3d William and Mary (1691), confirmed by Statute

GOVERNOR -Sir JOHN DEAN PAUL, Bart., 215, Strai DEPUTT-GOVERNOR-JOHN HENNY PELLY, Esq., Oak Hill, East Barnet.

DEPUTY-GOVERNOB-JOHN HENNY PELLY, Esq., Oak Hill, East Barnet.

COURT OF ASSISTANTS.

ANDREW BONAR, Esq., Gloucester-street, Portman square
ALEXANDER BEATTIE, Esq., Old Broad-street
ALFRED FOWLER, Esq., Datchet
GEORGE GAY, Esq., Bedwell-park
WILLIAM GILBERTSON, Esq., Warnford-court
ALFRED JANSON, Esq., Lloyd's
JOHN PEIRCE KENNARD, Esq., Lombard-street
P. F. ROBERTSON, Esq., Old Jewry
WILLIAM AMBROSE SHAW, Esq., Wycombe Lodge, Kensington
J. ASHTON YATES, Esq., Bryanstone-square
BANKERE.
Messis. Heywood, Kennards, and Co., 4, Lombard-street; Messis. Strahan, Paul, Paul,
and Baies, 217, Strand.

SOLICITORS.

Messrs. Desborough, Young, and Desborough, 6, Sise-lane, London
BROKERS.

Messrs. Foster and Braithwaite, 68, Old Broad street, London.

Messrs. Foster and Braithwaite, 68, 0ld Broad street, 'London.

This company is about to be re-organised, under the authority of an Act obtained in the last Session of Parliament. A new capital of £200,000 is thereby authorised to be raised in 8000 shares of £25 each; and the Act declares that such shares shall, in all respects and for all purposes, be entitled to preference over the present capital of the company. To the holders of these shares a preferential interest, at the rate of £5 per cent. per annum, will be guaranteed, besides the right to participate in the general profits of the company equally with the proprietors of old stock, after the latter shall have received a dividend of £4 per cent. per annum.

As the holders of such shares, being members of a company incorporated by Royal Charter, will incur no personal liability whatever for the debts and engagements of the company, it is conceived that the present affords a peculiarly satisfactory and eligible mode of investment.

company, it is concerted that the process of the process of the form of application for shares, may be had on application at the offices at Messrs. Foster and Braithwaite, 68, Old Broad-street.—January 29, 1852.

TY MAWR SLATE QUARRIES, CARNARVON, NORTH WALES.—Capital £15,000, in 3000 shares, of £5 each. UPON THE COST-BOOK PRINCIPLE.

UPON THE COST-BOOK PRINCIPLE.

The liability of the shareholders being limited to the amount of their individual subscription.

WILLIAM LUCAS HANLEY, Esq., Highbury
ALEX. MACLEAN, Esq., Harrow-on-the-Hill
BANKERS—The Commercial Bank of London, Lothbury.

This Company is established for enlarging and developing "the Ty Mawr Slate and Slab Quarries," which are situate in Nantile Vale, Carnarvonshire, on one of the richest voins in North Wales, and capable of returning 600 tons of most valuable marketable slate per month. Attached to it is a free wharf at the adjacent port of Carnarvon, where vessels of 150 tons burden may lay alongsaide and load.

The nelt profits of the quarry average upwards of 40 per cent. per annum. Reports, plans, and estimates, with specimens of the slate, may be inspected at the Company's office, No. 37, Moorgate-street, London, where also applications for shares in the accompanying form may be made.

JAS. BACON, Secretary.

FORM OF APPLICATION FOR SHARES

FORM OF APPLICATION FOR SHARES.

TO THE DIBECTORS OF THE TY MAYE SLATE COMPANY.

GENTLEMEN,—Be pleased to allot me

Company, snd I hereby undertake to pay the 25 per share as and when required by your

Name in full

Profession, trade, or occupation

Residence in full

Place of business (if any)

Name and address of referee

C O L O N I A L G O L D C O M P A N Y

-Provisionally Registered, according to the Act 7th and 8th Victoria, cap. 110.

Capital £500,000, in 100,000 shares, of £5 each.—Deposit £1.

MANAGERS -- Messrs. John Taylor and Sons BANKERS -Messys. Barnett, Hoare, and Co., and Messys. Masterman, Peters, and Co. SOLICIZOR -- William Loaden, Esq., 28, Bedford-place.
BRACKERS -- Messys. Hill, Fawcett, and Hill, 29, Threadheedde-street.

TEMPORARY OFFICES, -6, QUEEN-STREET-PLACE, UPPER THAMES-STREET

PRELIMINARY PROSPECTUS.

The managers of this company having been called upon by many influential friends to form an association for gold mining at Port Philip and in other parts of the Australian colonies, and having for some time past contemplated and planned the establishment of works in London for the reception and reduction of rich gold, have determined upon recommending that the two objects should be combined, and that a powerful company should be formed, and an ampie capital subscribed for these purposes.

The objects of the company are—the working of mines and alluvial deposits of gold in the best parts of Australia in a systematic manner.

The srection of works in Australia, rear the mines, where the ore produced by this company, as well as that raised by other companies, and by individual miners, may be concentrated for shipment to England;

And the establishment of works in London, in which the richer classes of gold ore, imported from Australia or any part of the world for reduction may be economically reduced.

And the establishment of works in London, in which the richer classes of gold ore, imimported from Australia or any part of the world for reduction may be economically reduced.

It will be obvious that a large capital may be required, and may be very profitably employed in carrying out the objects above stated, but the amount for which provision is made can only be wanted, and will only be called for, in case the successful working of the concern renders and proves it to be necessary.

The sum raised by the first deposit—viz., £100,000—may probably prove ample; and no more than an additional sum of £100,000, in two instalments of 10s. each, will be called up, without the sanction of the shareholders.

The whole scheme has been laid before the Government, and application for a Charter of Incorporation has been made, which has been favourably entertained. The Charter will limit the liability of the shareholders, afford facilities for the importation of labour into Australia, aid the colonial, as well as the home Government, in the collection of the royalties, and give stability and duration to the company.

The well-authenticated statements of large discoveries of gold inferent districts of Australia, and the very imperfect means as yet employed for its extraction, lead to the belief that capital and skill may be most profitably employed in the colony.

The carliest attention of this company will be directed to the richest parts of the Victoria settlement, hitherto known as Port Philip, as that most readily accessible, and promising the first and best results, and mining grants by purchaso or leason will there becured. A carefully-selected staff of superintendents, miners, and artisans, will be sent out, with machinery and implements for raising, crushing, and washing the gold ores found in the quartz veins, or in the aliuvial deposits, with orders to forward the produce in a concentrated state to the works in this country. Great improvements can be introduced upon the present modes of washing and extraction, and

to a large extent by ores consigned to the company for reduction at a per centage upon the valuable contents.

This branch of the undertaking will materially assist the various mining companies which have been already formed, by creating a market for the rich ores which they may raise; it will atimulate efforts for improved transport from the mines to the coast and to this country; it will furnish a considerable item in the freight of homeward-bound vessels; it will diminish the pressure on the labour market in the colonies; and it will create a trade, which must of accessity become very large and important.

There is reason to believe, therefore, that a company formed with these views and objects, under the supervision of a board of directors, sufficient, on the one hand, to guarantee to the shareholders that the funds will be honestly and judiciously applied, and on the other, to give confidence to the local authorities and colonists, will receive a amount of favour not hitherto extended to any similar enterprise, and will open unusual sources of wealth to the shareholders. The promoters are, however unable, and will not, therefore, pretent to form calculations or estimates of profit based upon specimens or imaginary quantities of ore (delusive as such statements always are to those unacquainted with mining affairs, and valuless to those who understand them); but relying upon the evidence before them, they reckon upon a very large return for the capital invested, and, therefore, do not hesitate to place the undertaking with every confidence before the public. The names of the trustees, directors, and auditors will be published in a few days; in the meantime, applications for shares may be made to Messrs. John Taylor and Sons, 6, Queen street-place; or to Messrs. Hill, Fawcett, and Hill, 99, Threadneedle-street.

January, 30, 1882.

ED. J. DENT has REMOVED from 82 to 61, STRAND theing 31 doors nearer to Charing cross, and directly opposite Bedford-street), and solicits an INSPECTION of his extensive STOCK of CHRONOMETERS, WATCHES and CLOCKS, as above; also at No. 33, COCKSPUR-STREET, and No. 34, ROYAL EXCHANGE (Clock Tower area).

IMPROVED LIFTING

MANUFACTURED BY W. and J. GALLOWAY.

PATENT RIVET WORKS, MANCHESTER.

The attention of parties who employ

Mifting Buchs,

is respectfully requested to the superiority of those annexed, over those hitherto in use.



THE GOVERNOR AND COMPANY OF COPPER MINERS
IN ENGLAND.
Incorporated by Royal Charter of 3d William and Mary (1691), confirmed by Statute

| DRAKE WALLS MINING COMPANY.—At the ANNUAL MEETING of the shareholders in this Company, held at their-offices, Salvador-house, on Friday, the 30th January, 1852.

Mr. Watson read the notice convening the meeting, the reports, and financial statement, when it was
Resolved.—That the reports and accounts now read be received, adopted, and entered
in the Company's cost and transfer-book.
No communication having been received from the parties in arrear of calls on thirty-

No communication having been received from the parties in arrear of calls on thirty-two shares, it was—
Resolved,—That the above thirty-two shares be and are hereby forfeited, in accordance with the 26th rule of the Company.

Resolved,—That a dividend of 5s. per share be paid, and that the balance of the sum of £262 18s. 4d. be carried to the next account.

Resolved,—That the best thanks of the meeting be presented to Mr. Johnson, for the ability and attention which he has manifested in his superintendence of the affairs of this Company, and for the improvements he has effected in the dressing of the ore.

Resolved,—That this meeting is desirous of supressing its warnest thanks to the Committee of this Company, and especially the Chairman, for the steady perseverence with which they have overcome the difficulties of the enterprise, and brought the mine into a profitable state.

WEST WHEAL RUSSELL.—At a GENERAL MEET-PETER STAINSBY, Esq., in the chair,

PETER STAINSBY, Esq., in the chair,

Mr. P. Watson read the notice convening the meeting, and the Chairman the agents reports and financial statements, when it was Resolved,—That the reports and accounts now read be received, adopted, and entered in the Company's cost and transfer-book.

Resolved,—That 169 shares in default be, and are hereby, forfeited, in accordance with the 25th rule of the Company, and sold by public auction.

Resolved,—That the thanks of this meeting be given to the Chairman and Directors, for their continued services and watchful care over the Company's affairs.

WHEAL LANGFORD MINING COMPANY.—At a

SPECIAL GENERAL MEETING of the shareholders of this Company, held at the Offices of the Company, 34, Threadneedle-street, this 29th January, 1852, STEPHEN BROAD, Esq., in the chair, Resolved,—That the holders of shares in this mine are requested to forward the same to this office, on or before Thursday, the 13th day of February, in order that they may be exchanged for the certificates of WHEAL LANGFORD AND BARING UNITED MINES; if not so exchanged, a motion will be submitted to the General Meeting for the forfeiture thereof. 65

DRIFT MOOR CONSOLS MINE.—This Mine is in the parlslies of MADRON, SANCREED, and PAUL, CORRWALL, and has been purchased of the former shareholders, and put on in 128 shares, 40 of which are held in Cornwall, and the remaining shares are offered to the public.

There would be no objection to appointing a committee in London for the transaction of business, if desired.

Cornwall, and the remaining shares are offered to the public.

There would be no objection to appointing a committee in London for the transaction of business, if desired.

£1200 have been expended in opening ground, erecting a water wheel, stamps, pumping machine, &c. The engine-shaft is sunk about 18 fathoms, and a level has been driven about 25 to 30 fathoms, and explicit of 12 fathoms from surface; iode above 8 feet wide. Some tons of tim, of very superior quality, have been returned, but at 30 shallow a depth munch cannot be expected. This shaft is close to the stamps, consequently all carriage is saved. A large stream of water runs through the sett. Working an 18-feet wheel, drawing the water from the mine, and stamping the staft. The stamps has six heads only, but there is water enough to work four times as many, if required; and it is supposed that, by the same wheel, the water might be drawn from 20 fathoms deeper. There are several lodes in the sett, which is very extensive, being full a mile long by half a mile broad. Two shafts have been sunk on the lode at Drift 5 fathoms deep, and a level driven from one to the other. A wince has been sunk below this level, and the lode found to be very good. Abundance of the has been returned by streaming in this set; and it is generally believed that it will make ample returns from the various lodes which have been found in it. There is ground now open at the engine shaft 8 ms. high, and 20 to 25 fathoms or more in length, which will well pay for stoping, but to open more ground an outlay must be made, where places will be found to put men on tribute, and large returns of ore may be expected.

For the obtaining of shares parties are referred to B. P. Batten, Esq., 1, Crown-court, Old Broad-street; or to Mr. Tonkin, 315, Oxford-street.

BRAICH GOCH SLATE AND SLAB QUARRIES,
TAL-Y-LLYN, MERIONETHSHIRE, NORTH-WALES.
Now being worked on the Cost-book Principle.
Capital £14,000, in shares of £1 each.—Deposit 10s. per share.

OFFICES.-No. 4. CUSHION-COURT, OLD BROAD-STREET, LONDON.

OFFICES.—No. 4, CUSHION-COURT, OLD BROAD-STREET, LONDON.

A company having been formed for working the above extensive quarries, as advertised a short time since, has recently been joined by some highly-respectable gentlemen, who, after a careful investigation into the merits and value of the undertaking, and also of the rules and regulations under which it is conducted, have entered upon the committee of management.

The committee now OFFERS to respectable parties the UNDISPOSED SHARES, by transfers only. The lucrative character of the undertaking may be relied upon with cortainty. A dividend on the amount paid upon the shares will be made by July next. Prospectuses and shares may be obtained of the Secretary, at the offices, 4, Cushion-court, Old Broad-street; of the solicitor, Philip Johnson, Esq. 9, Lincoln's Inn. fields; Messrs. Brooks, and Co., 209, Piccadilly; and at the Gloucester Slate Works, where samples of slate and slabs may also be seen.—Prospectuses and shares may also be that of the under-mentioned brokers:—Messrs. James Lune, 33, Threadneedle-street; Marson and Dobson, Royal Exchange, Edinburgh; J. Power, 22, Fowner-street, Dublin; J. A. Eadon, Sheffield.

WHEAL SURPRISE (COPPER) 65

This mine is situate in the parish of Whitchurch, near Tavistock, in the county of Devon, and extends a distance of 600 fathoms east and west, on the course of the lodes, joining Devon Burra Burra, and running in the same channel with, and parallel to, the lodes of the most productive mines in the Tavistock district—namely, Great Wheal Friendship on the north, which has raised £1,136,652 worth of ore; near, and in the same direction as the Devon Great Consols, Wheal Jack Thomas, Bedford United, Wheal Crobor, Crowndale, Gunnis Lake, &c., lodes which have not only proved productive of immense quantities of copper ore, but paid handsome profits to the adventurers.

Taking into consideration the favourable position of this sett, the strata of ground approximating the granile, the number and character of the lodes, the supply of waterpower available for mechanical and other purposes, are in themselves sufficient to command the most favourable result.

Mining operations have been commenced, and preparations are now making for the erection of a powerful water-whoel, in order to prosecute the works with vigour; and it is confidently anticipated that the lodes will soon be developed to a profitable extent. Application for the unappropriated shares, with copies of reports and all particulars, to be made to T. Faller and Co., 51, Threadneedle-street, London.

PENLLYNE COURT LEAD MINES, GLAMORGANSHIRE.

In 5000 shares—deposit, 10s. per share.

TO BE CONDUCTED ON THE COST-BOOK SYSTEM.

FINANCE COMMITTEE (To be appointed at the first meeting).

PURSER—Charles Low, Esq., Penclawdd, near Swansen.

BANKER—The London and County Bank, Lombard street, London.

CONSULTING ENGINEER—Capt. Matthew Francis.

RESIDENT AGENT—CAPT. MATTHEW Francis.

OFFICES OF THE COMPANY—19, ROYAL EXCHANGE, LONDON.

Resident Agent—Capt. Henry Francis.

OFFICES OF THE COMPANY—19, ROYAL EXCHANGE, LONDON.

These mines are very extensive, and are situated in the parables of Penlijue and Langan, near Cowbridge, Glamorgaushire; they are held under lease direct from the free-holder (William Salmon, Esq., of Penlijue Court), for thirty-one years, at a royally of 1-15th for the first cleven years, and 1-12th for the remainder.

The primary lode in this property extends upwards of a mile; and it appears that, about eighty years since, an extensive system jof mining, so far as was compatible with the age, was carried on, inasmuch as not only are the foundations of the engine-house and dressing-floors still apparent, but also the remains of a smelting establishment, with large piles of lead slags scattered around, and which fact of itself would prove that a considerable quantity of ore was then obtained.

In addition, however, to this evidence, the ancient records of the town of Cowbridge show that, during the time these mines were being worked, large sums were collected by the borough-master as duty on load carried through that town from the Penlijne Mines and the mine was consequently abandoned. The promoters have authenticated, indimension that since this period miners on tribute have dug out sufficient ore from the surface of the lodes to make them large profits.

The annexed report of Capl. Matthew Francis (the most eminent lead miner of the day) gives evidence of the extent and character of the lodes; and scelig that a lease of the property has been obtained on most favourable terms, with right reserved therein to repair and use the smelting, works, if necessary; and as coal can be obtained at a very cheapar and use the smelting, works, if necessary; and as coal can be obtained at a very cheapar and use the smelting, works, if necessary; and as coal can be obtained at a very cheapar and use the smelting, works, if necessary; and as coal can be obtained at a very cheapar and the stream of the property has been obtained to them in

REPORT.

Gentlemen,—In following my instructions, I have just visited the Penlyne Court Mines. I find the ground covering a very large tract of country, on which traces of ancient mining exist to a considerable extent, as well as the remains of a smelting establishment, and a burbarous attempt at supplying steam power; all this, however, was evidently a failure, as the minera only succeeded in pumping the works dry to a depth of 10 or 12 fins., while the bodies of ore, from the old records, and the remaining appearances of the lodes, seems to have been 2 or 3 feet of solid load. I went over the back of the principal lodes for a length of 300 to 400 fins., and I have never seen more beautiful velns, with reference to the minerals, even connected with the richest deposits of metals; the lodes may honestly be described as being full of gossan and lead to the surface, of the richest sort, and from 2 to 4 and 5 feet wide. I am quite confident that by opening the mine a most valuable mining property will soon be developed.

(Signed)

MATTHEW FRANCIS.

SAI of every their Fr that the of their than any ney thro requests

Stock, Brist

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PEMBROKESHIRE.—VALUABLE ANTHRACITE COLLIERY ON ONE OF THE ESTUARIES OF MILFORD HAVEN TO BE LET.

GAZUTE

ESTUARIES OF MILFORD HAVEN TO BE LET.

OBE LET, ON LEASE, all the rich and valuable VEINS, or SEAMS, of COAL under the NASH ESTATE, known as SPRINKLE-BILL AND NASH COLLIERIES, in the parish of LANGUM.

These valuable COLLIERIES comprise, within the limits of 52 fathoms deep, the several SEAMS, or VEINS, of COAL as follows:

1. CRABTREE VEIN, 3 to 5 feet, with about 1-10th coal—irregular as to the depth. This voin has been partially worked.

2. ROCK VEIN, 10 to 16 fathoms below surface, 5 feet thick, of superior quality-yields nearly one-half of coal.

3. TUMBLING VEIN, abot 98 fathoms below surface, varying as to thickness, but a supposed to average from 4 to 10 feet thick.

4. The LOW VEIN, 37 fathoms deep, from 18 inches to 2 feet thick, with quarter coal, of the very best quality.

is supposed to average from 4 to 10 feet thick.

4. The LOW VEIN, 37 fathoms deep, from 8 tuches to 2 feet thick, with quarter coal, of the very best quality.

5. The MAIN VEIN, 51 fathoms deep, from 5 to 9 ft. thick, and yields a quarter coal, and this, with the 2 feet vein, about 2 fathoms deeper, has been worked by the adjoining proprietors up to the boundary, and this fully ascertained.

The above veins are supposed to extend under about 200 acres; they are the westward continuation of the celebrated Landshipping Colliery, and extend from Sprinkle-Bill to Clareston; bounded on the north by the Hook and Freystrop Estates, where the collieries have been worked for more than a century.

A few pits, in well-sel-ted situations, will win the whole workings, and the estates being on the banks of Milford Harbour, every possible advantage is naturally afforded for carrying on an extensive trade at a comparatively small expense.

For further particulars apply to Arthur Lort Phillips, Esq., solicitor, 11, King's Bench Walk, Temple, London; or to Mr. H. P. Goode, land agant, Haverfordwest.

THE WASHINGTON CHEMICAL COMPANY PATTINSON'S OXICHLORIDE OF LEAD

PATTINSON'S OXICHLORIDE OF LEAD

The WASHINGTON CHEMICAL COMPANY having, during the last year, established a MANUFACTORY of PATTINSON'S OXICHLORIDE OF LEAD, on a large scale, and being able to supply it with regularity, and to execute orders without delay, nonproceed to bring this new and valuable preparation of lead before their friends and the public, quite sure that it will not, in the present age, be condemned because it is most; and that, if judged by its merits, it must make its way, and finally take its place as one of the important manufactures of this country.

Pattinson's Oxichloride of Lead is a chemical combination of one equivalent of chiloride of lead, and one equivalent of oxide of lead, and one equivalent of oxide of lead, and one equivalent (or thereabouts) of carbonic acid, constituting what is called in chemical language carbonate of lead.

Now, there is no reason to conclude that carbonate of lead is the only compound of lead valuable as a paint, and still less that it should be the best compound of lead for that purpose. In point of fact, it is not as, for the newly discovered Oxichioride, in most, if not in all, respects is far aupprior; its colour is brilliantly white, and in a number of cases it has been tried against the best white lead the could be obtained; and after a period of upwards of two years it has been time to be performed and after a period of upwards of two years it has been time to treat it is white colour considerably better than the lead against which it was tried.

But the chief, and by far the most important, advantage it possesses, is its remarkable and very decided superiority of body—by which term the power of covering surface well and extensively is understood among painters. The attention of the discoverer was a a very early period drawn to this circumstance, and since that time the Washington and extensively is understood among painters. The attention of the discoverer was a a very early period drawn to this circumstance, and since that time the Washington of the

COVER AS MUCH SURFACE AS 100 LBS. OF THE BEST WHITE LEAD,

COVER AS MUCH SURFACE AS 100 LDs. OF THE BEST WHITE LEAD,
—the saving of cost being in the same proportion; besides this, the coating is thicker
and more protective, both in and out of doors, as the Oxichloride dries into a hard, tenclous layer, more like an enamel than paint.
In using the Oxichloride, no difference in the materials with which it is mixed is required—oil ond turpentine being employed as usual both for work technically called
Matting, and for work intended to be variabled.
For the use of paper-stainers and leather dressers the Oxichloride is found to be peculiarly suitable.

For the use of paper-stainers and leather dressers the Oxichloride is found to be pe-culiarly suitable.

The Washington Chemical Company strongly recommend this newly discovered sub-stance to the notice of consumers, both on account of its economy and its intrinsic good qualities as a paint.

OFFICE IN LONDON (Mr. RICHARD COOKE), No. 7, SISE-LANE.
Office of the Washington Chemical Company,
73, Grey-street, Newcastle-on-Tyne, Jan. 1, 1852.

THE MARYLEBONE GAS CONSUMERS COMPANY

Capital £100,000, in 10,000 shares, of £10 each.—Doposit is, per share.

To be paid on allotment.—Capital to be paid up.—First call, £1 per share. Offer calls not to exceed £1 per share, one month at least to intervene between each call. (With power to increase the capital to £150,000).

To be incorporated under the provisions of the Joint-Stock Companies' Acts, until a Special Act shall be obtained, if hereafter found expedient. The liability of the shareholders limited to the amount of their respective shares.

THUSTEES.
THE HON, PHILIP PLEYDELL BOUVERIE HENRY THOBY PRINSEP, Esq.

HENRY THOBY PRINSEP, Esq.

HENRY THOBY PRINSEP, Esq. a Director of the East India Company
JOHN CROSS, Esq., Avenue Villa, Regent's-fark
BENJAMIN SHAW, Esq., Kilburn Priory, Edgoware-road
WILLIAM EALES, Esq., Fenchurch street, merchant
WM. YATES FREEBODY: Esq., C.E., Duke-street, Westminster
GEO, HINTON BOVILL, Esq., a Director of the Great Central Gas ConCompany

Ompany

Engineer—T. A. Hedley, Esq., C.E.

Soliciton—J. B. Helman, Esq., t.5, Bedford-row.

BANKERS—Messrs. Bouwerle and Co., 11, Haymarket.

SECRETAR FORTEM—T. A. Hedley, Esq.

OFFICES,—27, EDWARD-STREET, PORTMAN-SQUARE.

OFFICES,—27, EDWARD-STREET, PORTMAN-SQUARE.

The object of this association is to supply the inhabitants of Marylebone with good gas at a cheap rate, and the principles on which it is founded are—
To invite the co-operation of the consumers, and thus to distribute among them as shareholders the profits which may be derived from them as consumers; to call in aid all the latest improvements, and all the resources of practical science for the production of a cas combining great purity with a high illuminating power; to supply this gas at a price considerably below the existing rate, not exceeding 4s, per 1000 cubic feet; to lay on services and furnish meters gratis; to limit the divisable profits to 10 per cent., and to apply any surplus beyond that rate, after providing against contingencies by the creation of a limited reserve fund, to the reduction of price; to insure a reasonable and effective control over the expenditure, by the appointment of independent auditors; to limit the liability of the shareholders to the amount of their respective subscriptions. The directors, in accordance with their determination to allot no shares, nor to receive any money, in respect thereof, until they were satisfied that the above objects could be realised, can vassed the gas consumers and memorialised the vestry of the parish, the result of which is, that they have obtained upwards of \$200 written contracts, and received upwards of 600 verbal promises, from gas consumers, to take the company; gas, the revenue from which, at the proposed price, will, it is calculated, suffice for payment of 10 per cent. on the capital, after liquidation of the cost of the gas, and the working expenses of the company, and the assurance of the vestry that in the month of March next they will be permitted to lay down the mains and pipes of the company throughout the whole extent of the parish, a permission which the vestry have accorded upon the report and recommendation of a committee appointed for the purpose.

As it is intended to carry the un

FORM OF APPLICATION FOR SHARES.

TO THE DIRECTORS OF THE MARTLEBONE GAS CONSUMERS' COMPANY.

I request you will allot me shares, of £10 each, in the above undertaking, and I agree to accept such shares, or any less number that may be allotted to me, and to pay the deposit and calls thereon as they respectively fall due, and also to execute the Deed of Settlement when required.—Dated day of 1852.

Name and surname in full

Residence
Description
Reference
N.B.—If the applicant is a gas consumer in St. Marylebone, no reference is required BRISTOL AND EXETER RAILWAY.—Notice is hereby

RISTOL AND EXETER HAILWAY.—Notice is hereby given, that the next HALF-YEARLY GENERAL MEETING of proprietors of shis Company will be HELD, in pursuance of the Act of Parliament, at the White Lion Hotel, in the city of Bristol, on Thursday, the 26th of February, at Twelve's clock, for the Election of Three Directors, in the room of those who retire by rotation, and forother affairs.—The chair will be taken at Twelve's clock preclasly.

JAMES W. BULLER, Chairman. The three retiring directors are eligible for re-election. The transfer-books will be closed on the 16th of February, and not be re-opened until after the said half-yearly meeting on the 28th of February.

The interest to the 31st Dec., 1851, on Perpetual Preference 4 per Cent. Shares and Slock, will be remitted at the same time as the dividends on old Consolidated Stock. Bristol Terminus, Jan 28, 1832.

J. B. BADHAM, Secretary.

BICKFORD'S PATENT SAFETY FUSE.—The Patentees of the ORIGINAL, and only real, SAFETY FUSE, beg to inform Merphants, Mine Agents, Railway Contractors, and all persons concerned in Blasting Operations, that, for the purpose of protection the public in the use of a genuine article, the PATENT SAFETY FUSE has now a thread wrought into its centre, which being putent right, in-fallibly distinguishes it from all imitations, and ensures the continuity of the gunpowder. The Safety Fuse is now protected by a Second Patent, and manufactured by guestly proved machinery.

BIORFORD, SMITH, DAVEY, Camborne, Cornwall

SAFETY FUSE.—Mesers. WILLIAM BRUNTON AND CO., PENHALLICE, near REDRUTH, COHNWALL, MANUFACTURENS OF FUSE PENHALLICK, near REDRUTH, CORNWALL, MANUFACTURERS of FUSE of every size and length (as exhibited in the Great Exhibition of 1851), beg to inform their Friends in Cornwall, Devon, Wales, Ireland, and every other part of the Globe, that they are prepared to EXECUTE UNLIMITED ORDERS for SUPPLYING FUSE of their own manufacture, and upon warrantthat it will be proved equal to, if notbetter, than any that is to be procured elsewhere, and that Mr. J. R. Pirk is now upon his journey through the United Kingdom, and will call to solicit further orders, which theyare requested to reserve, or otherwise apply by letter, direct to the Manufactory.

PATENT SAFETY FUSE.-Mr. WILLIAM R. BANT would direct the attention of MINING COMPANIES and OTHERS to the FACT the OWNING a PATENT for the MANUFACTURE OF SAFETY FUSE in SPAIN, and the will be happy to attend to any communications which may be addressed by him ill be happy to attend to any communication. IPPLY thereof. Calle de San Miguel, Carthagena, October 30, 1851.

MUSEUM OF PRACTICAL GEOLOGY,

Sobernment School of Mines, AND OF SCIENCE APPLIED TO THE ARTS LECTURES TO WORKING MEN, ILLUSTRATIVE OF THE COLLECTIONS IN THE MUSEUM.

MONDAY, FEBRUARY 9, 1852.

WHY FOSSILS ARE COLLECTED AND EXHIBITED, By Ed. FORBES, F.R.S.

MONDAY, FEBRUARY 23, 1852.

PHOTOGRAPHY AND ITS APPLICATIONS { By Robert Hunt, Keeper of Monday, March 1, 1852.

ON THE UTILITY OF GEOLOGICAL MAPS By A.C. RAMSAY, F.R.S.

MONDAY, MARCH 8, 1852. ON THE MODE OF OCCURRENCE OF METALS By W. W. SMYTH, M.A.

MONDAY, MARCH 15, 1852. By John Percy, M.D., F.R.S.

The Lectures will be given in the Museum, Jermyn-street, St. James, on each of the bove evenings, at Eight o'clock precisely.

As these Lectures are intended for Working Men only, it will be necessary for those rike apply for admission to show that they are really Artizans.

Admission cards may be obtained at the Museum daily, from 10 A.M. to 4 F.M., and on loadays and Fridays, from 6 to 8 F.M., on payment of a registration fee of Sixpence for he whole course. The Lecture Theatre will hold only 450 persons; the number of admissions, therefore will be necessarily limited.

H. T. DE LA BECHE, Director.

will be necessarily limited.

H. T. DE LA BECHE, Director.

L. T. DE LA BECHE, Director.

OXFORD STREET, LONDON.

The PRACTICAL COURSE OF INSTRUCTION in this INSTITUTION is under the direction of Dr. A. W. HOFMANN and assistants.

The SUMMER SESSION will commence on MONDAY, the 15th of March next, and end on Saturday, the 31st of July, 1862.

The fee for students working every day during the session is \$15 0 0 Four days in the week \$12 0 0 Three days in the week \$6 0 0 One day in the week \$6 0 One day

Hours of Attendance from Nine to Five.
Further particulars may be obtained on application at the College

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WILLIAM NEWMARCH, Secretary. Capital-One Million Sterling - the Whole Paid-up and Inves

CLERICAL, MEDICAL, AND GENERAL LIFE ASSURANCE SOCIETY.—REPORT OF THE DIRECTORS, read at an extraordinary General Meeting, held at the Society's office, on the lat day of January, 1852:—In accordance with the previsions of the Deed of Constitution, the Directors have called the present meeting for the purpose of laying before the proprietors and the assured the result of an investigation of the Society's affairs for the five years ending June 30th, 1851.

On that day the Society had been in existence 27 years; and the result of this, the fifth investigation, affords, like each preceding one, abundant grounds of congratulation as to the past, and of hope for the fature. This will be erident by a consideration of the following facts:—

The income of the Society, for the year ending June 30, 1846.

The above surplus of £181,215 has now to be dealt with; but in order to avoid incon-enient fractions, the Directors have resolved to recommend to this meeting to divide

Sums set aside as the value of a policy for £1000.	yaluin North Thr Cent.	g by am	y the pton er	By Madopi this	ode	by	off	r o
Effected at the age of 40, after 10 years Effected at the age of 50, after 10 years Effected at the age of 60, after 10 years	197	8. 3 17 7	d. 7 3 5	£ 158 215 326	8 2 3	d. 5 0 0		d. 10 9

The proprietors and the assured are aware that hitherto the profits at each di could only be appropriated in the proportions of one-sixth to the proprietors and sixths to the assured, while the remaining two-sixths were thrown back into the grasses of the society, and formed an ever accumulating reserve fund.

And in June, 1831.

The continual increase of this fund has, up to this time, operated to the disadvantage of the assured, and has tended materially to diminish the amount of the bonus, which would have been apportioned to them had the whole profits been distributed at each quinquennial period. In order to obtain powers to alter the mode of division, and for other purposes, the Directors, with the consent of the proprietors, applied for and obtained an Act of Parliament in 1850.

By this Act, the reserve fund is now permanently fixed at 60,000.; and the profits, at the next and all future divisions, are to be distributed in the proprietors of one-sixth to the proprietors, and five-sixths among the assured.

The effect of these changes will be to give to the proprietors hereafter a much smaller proportion of the profits; but, from the additional inducements held out to assurers, the birectors venture to hope that a considerable increase of business will afford some compensation for this sacrifice.

As regards Assurers, whether old or new, it is clear that the recent arrangement will prove highly advantageous to them. The difficulties arising from the augmentation of a consumally increasing and indivisible surplus have thus been removed; and at the division in 1857 the assured will participate in the proportion above sated, not only in the profits regularly accruing from the general business, but also in the five years' interest derived from the sum of 60,0002, now laid by, together with 10,0004, being part of the principal. It is confidently anticipated that the interest of the said sum of 60,0002, together with the 10,0004, will alone produce an amount fully equal to that portion of the profits to which the proprietors will be entitled; so that, upon this view, the assured will have the benefit of the entire profits produced by the regular business.

The society, therefore, presents all the advantages afforded by proprietary offices, and more than all those offered by mutual offices do not usually undertake.

W

be paid at the end of thirty days after proof of death, instead of three or six months; as is the general rule.

The directors, therefore, after a period of 27 years of steady and uninterrupted prosperity, are enabled confidently to invite the attention of the public to the great six and the stages offered to assurers in this society. An unusually ample sum has been retained to meet future claims. A large and permanent reserve fund has now reached the limit assigned by the Act of Parliament. The expenses of management are small, and do not exceed 34 per cent on the income. And all persons conversant with the defails of life assurance will at once perceive the highly favourable position of the society. The new prospectus can now be obtained of any of the society's agents, or of 99, Great Russell-street, Bloomsbury, London. GEO. H. PINCKARD, Secretary.

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Great Wheal Baddern (thi and 1026 Ghrstavus Mines (copper), Cas Halamanning and Croft Goth 12 Hawke's Point (copper), Cut Goth 12 Hawke's Point (copper), University of the Communication of the Commu	1380 Eagair Lies Llanfihangel-y-C 3000 Fenton Pottery (coal an 1 from 12000 Galtt-y-Maon (silver-lead), M 5000 Garreg (lead), Filnt- 2500 Georgia Consols (tin), St. Ive 256 Gonamona (copper), St. Clee 243 Grambler & St. Aubyn (copp 2600 Great Cowards (silver-lead),	1000 Daron (alivor-leat), Cardigam 1100 Derwont (alivor-lead), Durha 1100 Derwont and Courtenay Consola 1024 Devon and Cornwall United (c 1120 Dhurade (copper) Ireland 1020 Defirwing (copper), Merione 128 Drift Moor (tin), Sanereed 129 Drift Moor (tin), Sanereed 1200 Dyfngwm (ead.), Wales 1202 East Alfred Consols (lead & cc 1250 East Basset (copper), Redruth 1248 East Conwilde (copper), Tar 1250 East Daron (lead), Cardigansh 1261 East Conwilde (copper), Tar 1262 East Conwilde (copper), Tar 1263 East Conwilde (copper), Tar 1264 Gunta Lake Junction (c 1265 East Stein and Wheal Muttle 1265 East Stein and Wheal Muttle 1266 East Tarnáz Consols (sil-lead	2000 Carbona (thi and copper), Cro 2000 Carthew Consols (cop. & lead), 1056 Carvannail (copper), Gwennay 200 Cefn Bruno (lead), Cardigansi 4024 Chyprase (thi and copper), St 2000 Cook 's Kitchen (copper), Cro 2510 Cook 's Kitchen (copper), Cro 900 Court Grange (silver-lead), Ca 4600 Cralg-y-Mwn (lead), Llaurhi 256 Crane and Bejawa (copper), 1000 Cwn Baren, Wales	2000 Bishopstone (silver-lead), Glau 4000 Bisenaron (tron), South Wale 1024 Bodmin Consols (lead), Wade 1024 Bodmin Wheal Mary (copper) 129 Bolowali and Manpean (tim), S 1024 Boring, Ion Park (silver-leat), 240 Boscean (tim), St. Just. 2400 Breath Geld, Slate and Slab Qu 2500 Breath Geld, Slate and Slab Qu 2500 Breath Geld, Cardigans 2500 Breath Consols (silver-gad), Ga 4000 Galatock Consols (copper).	10000 Brazilian Luperial (gold), Bra 12000 Cobre Copper Company (cop 10000 Copiano Mining Company (cop 20000 General Mining Association (ir 2700 Marjanto (gold), Columbia 3551 Mexican Company (silver), M 17000 Royal Santiago (copper), Cub 11000 St. John dei Rey (gold), Braz 43174 United Moxican (silver), Mox MINES WHIC 8 Mares. 940 Balnoon Consols (tin), Uny L 508 Ball and Lanarth (copper), Gr	128 Wineal Friendship (copper) De 5000 Wineal Golden Consols (silver-430 Wineal Lovel (tin), Helston 112 Wineal Margaret (tin), Uny Le 512 Wineal Margy Ann (lend), Men 40 Wineal Covies, St. Just, Corraw Wineal Seston (tin and copper) S10 Wineal Seston (tin and copper) Wineal Transayne (tin and cop wineal Transayne (tin and cop wineal Transayne) (tin and cop wineal win	5000 Tincroft (copper and tin), nea 513 Trehane (siver-lead), Menher 500 Treisigh Consols (copper), Re- 96 Tresavean (copper), Gwenna 120 Trethellan (copper), Gwenna 120 Trethellan (copper), Gwenna 120 Trempat Consols (tin), near i 200 United Mines (copper), Gwenna 124 Wellington (copper), Gwen 1256 West Caradon (copper), Lisk 121 West Providence (tin), St. Ex- 226 Wheal Basset (copper), Illogar 236 Wheal Brower (copper), Gwen 124 Wh. Castle and Boawedden (til 124 Wh. Castle and Boawedden (til 135 Wheal French (copper), Redru 125 Wheal French (copper), Redru 126 Wheal French (copper), Gwen 127 Wh. Castle and Boawedden (til 128 Wheal French (copper), St. Agu	6000 North Wheal Basset (copper) 128 Par Consols (copper), St. Bla 1160 Parran St. George (copper and 200 Phoenix (copper and tin), Lini 560 Providence Mines (tin) Uny 206 South Olaradon (copper), St. Casset South Tolgus (copper), St. George 124 South Wheal Frances (copper 124 Spearne Consols (tin), St. Jus 1024 St. Aubyn and Grylls (copper) 45 t. Irea Consols (tin), t. Ive 1000 Stray Park and Camborne Vo 9600 Tamar Consols (dilyer-lead).	1024 Herodsfoot (iead), near 1000 Herodsfoot (iead), near 1000 Holybraush (iead and 2000 Holybraush (iead and 1000), near 1000 Lewis (ifn and copper), st. 1000 Lewis (ifn and copper), st. 100 Lisbarne (iead), Cardiganshii 5000 Low's Patent Copper Smeltin 20000 Mining Company of Ireland 1000 Low's Patent Copper Aud III), st. 1000 Mining Company of Ireland 1000 Morth Paul (copper) and III.	180 Dolconth (copper and tin), C 1800 Drake Walls (tin and copper), 188 East Pool (tin and copper), 198 East Wheal Crofty (copper), 198 East Wheal Rose (silver-lead 184 Powey Consols (copper), Tyw 196 General Mining Company for 196 Great Cousols (copper), Gwe	5120 Affred Consols (copper), Ph. 1348 Alik-y-Crib (aliver-lead), Tr. 1624 Balleswidden (tin), St. Just 1604 Balleswidden (tin), St. Just 1608 Bedford United (copper), Tr. 160 Beack Craig (lead), Kirkcud 160 Bestaliack (tin and copper), 1600 Bryntail, Llauidloes, Montgo 1600 Callington (lead and copper) 1600 Carlo Bras (copper and tin), 128 Comford (copper), Gwennap, 129 Condurrow (copper and tin), 129 Ownystwith (lead), Cardigat 1624 Devou Gract Consols (copper) 1624 Devou Gract Consols (copper) 1625 Devou Gract Consols (copper)	Shares, Mines,
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Paid. Sat. Mon. 1 34 5 34 5 35 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FOREIGN MINES ining Association copper), 3 pper), South Australia. ing Association (silver), Gea iteneral Mining Company of Spain util American (sopper), Me ilan (gold), Brazil Australian (copper), S. A. & ser), Adelaide, South Austra	St. Teath ailver-lead), Lezant ses (tin), St. Agnes. reage and Crowan Plympton a& copper), Stoke Clims. ck (copper), Stythians se (copper), St. Ervan (silver-lead), Liskeard (copper) tin and cop.), Sr. Stephens s (copper) ead), Sr. Ive, Liskeard ver-lead), Benferris	n), Wendron lead) lead) lead of copper), Tavistock (lead), Landuiph and lead), Liskeard lead), Liskeard lead), Liskeard lead), lead of liskeard lead, liskea	ce (lead), Newlyn copper), Gwennap n and copper), St. Cleer (copper), Calstock	1), Liskeard quarries) or), St. Cleer Lewanick (fin), Towedneck (alate), near Carnarvan. copper), St. Blazey 1), St. Austell 1, copper 6 (copper and tin) copper), Gwennap peper and tin), Whitchurch Linkinghorne. (copper) Lewanick (in), St. Ewe & St. Mewan (copper) Linkinghorne. (ling copper), Ilogan	d Erglodd (lead) (tin), Towednack Wh. Brothers (silvlead) sa (copper), Hilogan ood (copper), Asibburton y (lead), near Liskeard fining Company (lead) oosiah (copper), Calstock on (tin and copper) (tin and copper) (tin and copper), Lanivet ad), St. Teath	s (fin and copper). s (tin and copper). s (tin and copper). s (tin and copper). s (tin and copper). s (copper).	lary (copper), Cardingham assols (copper and tin) nasols (copper) end tin) nasols (cin and copper) lifted (copper), Phillack lartha (cop.), Stoke Clims ough Tor Consols (copper) g Company, Westmoreland r-lead), Hennotk per) Ireland veri-lead), Clarc, Ireland Sudford (lead and copper) veri-lead, Clarc, Ireland Sudford (lead and copper) ser-lead, S., Landrake s (lead) on)	a (copper), Redruth ((lend) poper), Redruth gar slah (copper), Tavistock shieligh, Lanreath cth, Sr. Ives sssell (copper), Tavistock (copper), South Mölton and silver-lead), Devon Mince(lend), Wales ver-lead), Cardiganshire Lary (copper), Cardingham	(copper) r (copper), St. Cleer r (copper), St. Cleer R and Green Lake (copper) North (cop.), Lamerton West (copper), Stoke Clim. incroft, North Boyey. vall (copper), St. Winnon den (tin), Sancreed nig (lead), Kirkendbright Park, Plympton opper), near Redruth	ilver-lead), Cardiganshire, and lead), Kirkendbrightah ti Cons. (cop.), Linkinhorne (copper and lead), St. Ive d (lead), Linkinghorne St. Dennis St. Dennis St. John Cansols, St. Minver e (lead & cop.), Stoke Climth), St. Columb wiver-lead), Cardigan nutworth (cin & co.), Redruth nutworth (cin & co.), Redruth nutworth (cin & co.), Redruth	a, Linkinghorne
Tues. Wed	amalca	\$ 12 16 16 16 16 16 16 16 16 16 16 16 16 16	2 5 2 15 3 54 4 2s 2 44 2 11 4	45 45 45 2 45 45 45 45 45 45 45 45 45 45 45 45 45	13 7 5½ 5 7 9 4 4 8 12 91 6 1½ 2 4 5 70 2½ 2 7 8 1 1 22 4 9	2 4 21s 4 2 5 14 18	4 8 3 1\$ 2 1\$ 1\$ 1\$ 1\$ 1 7 17 3 4 4\$ 7\$	1 3 4 9 4 5 13 8 1	14 5 8 8 1 34 6 6 14 4 45 14 24 24 14 34 44 3	31 2 3 34 24 12 24 12 1 2 31 22 31 22 1 12 24 33 34	1 2 1 7 2 1 34 1 5 3 3 4 5 64 1 14 215 4	20 100 24 4 44 64
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